



DEH-750/UC



ORDER NO.
CRT1295

HIGH-POWER COMPACT DISC PLAYER WITH FM/AM TUNER

DEH-750

UC, ES

DEH-650 us DEH-80 us DEH-80



WG

HIGH-POWER COMPACT DISC PLAYER WITH FM/MW/LW TUNER

DEH-700SDK DEH-700 EW

Note:

• See the separate manual CX-173 (CRT1161) for the CD mechanism description.

 Refer to the service manual CDX-M100 (CRT1136) for finding circuit description which are not shown in this manual.

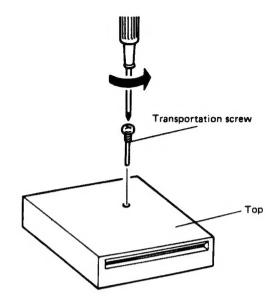
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FK MAY 1990 Printed in Japan

• CD Player Service Precautions

- 1. Since these screws protects the mechanism during transport, be sure to affix it when it is transported for repair, etc.
- 2. For pickup unit (CGY1015) handling, please refer to "Disassembly" (Fig. 4) During replacement, handling precautions shall be taken to prevent an electrostatic discharge (protection by a short pin).
- During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.



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SAFETY INFORMATION (UC, US MODEL)

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5). When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

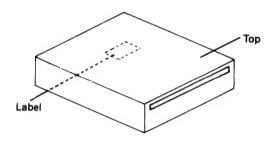
SAFETY INFORMATION (EW MODEL)

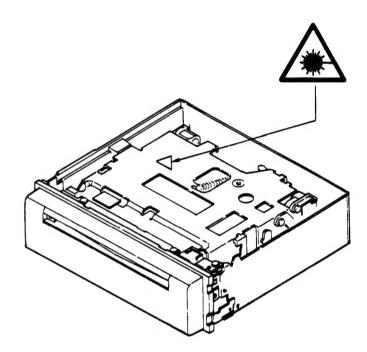
- 1. Safety Precautions for those who Service this Unit.
- Follow the adjustment steps (see pages 13 through 34) in the service manual when servicing this unit. When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

- 1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.
- 2. A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.
- 3. The triangular label is attached to the mechanism unit plate unit.







4. Specifications of Laser Diode

Specifications of laser radiation fields to which human access is possible during service.

Wavelength

= 780 nanometers

Radiant power

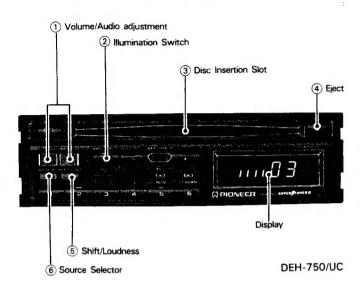
= 69.7 microwatts

(Through a circular aperture stop having a diameter of 80 millimeters)

0.55 microwatts

(Through a circular aperture stop having a diameter of 7 millimeters)

1. ADJUSTING VOLUME AND TONE



Switching Power On

Press button (6) to switch the tuner power on. Press button (6) again to switch the power off.

CD Player

When a disc is inserted half-way into the disc insertion slot 3 with its label side upward, the disc is automatically loaded and played.

To remove the disc, push button 4.

 If the car's ignition switch is turned "OFF" with the front panel remaining on the main body, the buzzer will be heard for a few seconds in order to warn you that the panel must be removed for the purpose of preventing theft when leaving the car.

Changing the source

To change the source, push button (6) with the disc inserted in the slot. At each press of the button, the source changes as follows: CD Player-Tuner-OFF

Note that if you press button (6) to halt playing, the disc resumes playing with about the remainder when set to start again.

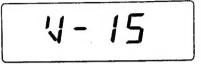
Adjusting Audio

When the display indicates disc or tuner, press button 1 to adjust the volume. Each press of button (5) changes the display and the function of button 1 as follows:

Volume→Fader→Bass→Treble→Balance

Adjusting Volume

Pressing the (+) side of button 1 increases the volume, while the (-) side decreases it.



Adjusting the Fader

This function controls the balance between the front and rear speakers of a 4-speaker system. Pressing the (+) side of button (1) shifts the balance to the front speakers, while the (-) side shifts it to the rear speakers. For 2-speaker systems, set FAD 0.



Adjusting Bass

Pressing the (+) side of button 1 increases bass, while the (-) side decreases bass.



Adjusting Treble

Pressing the (+) side of button 1 increases treble, while the (-) side decreases treble.



Adjusting Balance

Pressing the (-) side of button 1 shifts the balance to the left speaker, while the (+) side shifts it to the right speaker.



 When you're adjusting fader, bass, treble, or balance settings, the indicator will stop at the center setting. About 5 seconds after adjustment has been made, the display returns to its previous state.

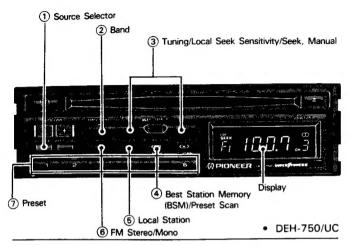
Using the Loudness Function

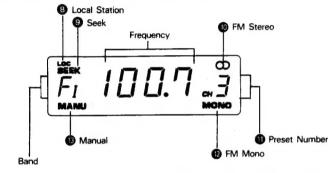
Press button (5) for about two seconds and the "LOUD" indication will appear on the display. This loudness function lets you enhance both high and low frequencies to give a more natural sound at low volumes. To cancel this function, press button (5) again for about two seconds.

Switching Illumination Colour

You can select either green or amber for the switch illumination colour. To switch the colour, hold down button 2 for two seconds.

2. USING THE RADIO





1 Press Button (1) to switch the radio power on.

2 Press Button (2) to select a band.

 $\overline{F_1} \rightarrow F_1 \rightarrow F_2 \rightarrow R$ (FM1) (FM2) (FM3) (AM)

3 Use seek tuning to tune in a frequency.

Confirm that the SEEK indicator (1) is shown on the display (if not, press the (+) and (-) sides of button (3) at the same time). Press the (+) side of button 3 to automatically tune in the next higher receivable frequency, and the (-) side for a lower frequency.

4 Adjust volume and tone (see page 5).

Assign the tuned frequency to one of the Buttons in Bank

⑦ (preset memory).

Press and hold down one of the buttons in Bank 7 for at least two seconds. The frequency is assigned to the selected button when the preset number stops flashing on the display. Up to 18 FM stations (6 each for FM1, FM2 and FM3), and six AM stations can be assigned to the preset memory buttons in Bank 7.

6 Once a frequency is assigned to a Button in Bank 7, you just need to press that Button to tune it in.

This also causes the number of the button pressed to appear at Position on the display.

Preset Scan Tuning

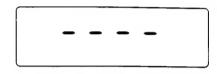
This function lets you automatically monitor the stations assigned to the preset buttons.

- 1. Press the button (4), and the preset number (1) flash. Each station assigned to the buttons in Bank (7) will be automatically tuned in for about eight seconds.
- 2. When you hear a station that you like, press button 4 again to cancel preset scan tuning and remain at that station.

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in Bank (7), from strongest to weakest. It comes in handy when trying to find local stations while driving.

- 1. Press button 2 and select a band.
- 2. Hold down button 4. After about two seconds, a "beep" will sound to signal that the BSM search has started. At this time, " - - - - " will flash on the display.



- 3. The frequency display will return once BSM search is complete, and frequencies are assigned to buttons 1 through 6 in Bank (7).
- At the end of the BSM search, the displayed frequency is that assigned to button 1 of Bank 7.
- If there are fewer than six strong stations in the area, some of the buttons in Bank 7 will not be assigned frequencies, so they will retain any frequencies assigned to them previously.
- BSM search may take as long as 30 seconds in areas where there are few strong stations.
- You can cancel BSM search by pressing button 4 again.

Manual Tuning

Use manual tuning when stations are too weak to be picked up by seek tunina.

- 1. Press both (+) and (-) sides of button 3 simultaneously to illuminate "MANU" 🎱
- 2. Each press of the (+) side of button (3) increases the frequency in 0.2 MHz steps in the FM band, 10 kHz in the AM band. Pressing the (-) side of button 3 decreases the frequency. Holding down either side of button 3 changes the frequency at high speed.

Switching between FM Stereo and Mono

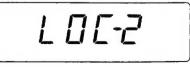
Generally, it is best to allow the "Super Tuner II" function to automatically set the optimum listening conditions. When there is a large amount of noise, you can press button 6 for clearer mono reception ("MONO" D will appear on the display).

Adjusting Seek Sensitivity

The seek tuning function of this tuner lets you select between a local setting for reception of strong stations only, and a DX (distant) setting for reception of weaker stations. The local setting also has four seek tuning sensitivity levels for FM and two levels for AM to match local conditions.

Changing the Local Seek Sensitivity

- 1. Use button 2 to select a band.
- 2. Hold down the button (5) for more than two seconds, and the display will show you the current local seek sensitivity for about five seconds.



(Example: LOC-2)

3. While the local seek sensitivity remains on the display, press the (+) side of button ③ to increase the sensitivity level, and the (-) side to decrease the level as shown below.

FM: LOC-1 ≥LOC-2 ≥LOC-3 ≥LOC-4

AM: LOC-1≠LOC-2

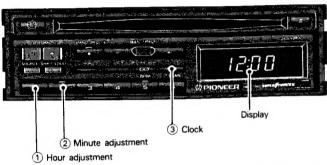
The LOC-4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

 The display of local seek sensitivity returns to the frequency when about five seconds have elapsed after the change of sensitivity.

Switching between Local and DX

Press button (5) to switch between Local and DX (distant) seek tuning. When "LOC" (8) is shown on the display, seek tuning is performed with the local seek sensitivity. Otherwise, seek tuning is performed with the DX seek sensitivity.

3. USING THE CLOCK DISPLAY



• DEH-750/UC

Displaying the Time

The clock is displayed while button 3 is depressed. Press button 3 again to turn off the clock display.

• The Time Display functions only when power is on.

Adjusting the Time

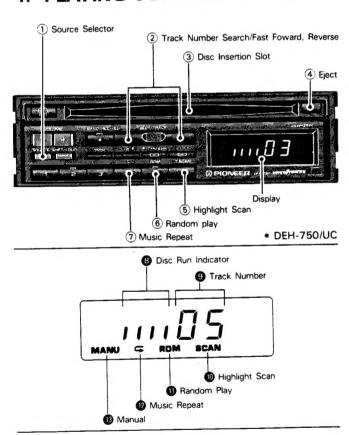
Adjusting the Hours

While holding down button ③, press button ① to adjust the hour setting of the clock. Each press of button ① advances the hour setting by one hour, and holding it down advances the setting at high speed.

Adjusting the Minutes

While holding down button ③, press button ② to adjust the minute setting of the clock. Each press of button ② advances the minute setting by one minute, and holding it down advances the setting at high speed.

4. PLAYING COMPACT DISCS



1 When a disc is inserted half-way into the disc insertion slot 3 with its label side upward, the disc is automatically loaded and played.

(Track number 9 and disc run 8 indications will appear on the display.)

2 Use track number search to select a track.

See that no "MANU" illuminates on display. If it does, then turn it off by pressing the (+) and (-) sides of Button 2 simultaneously. Press the (+) side of button 2 to increase the number at position 5, or the (-) side to decrease the number. Holding either side of button 2 down changes the track number at high speed.

3 Adjust volume and tone (see page 5)

4 To eject or change the disc, press Button 4.

If an ejected disc is pushed back into the slot, it will be loaded and played again.

Note:

- If a disc can only be inserted halfway, or if the disc does not play after being loaded, something may be wrong with the disc. Eject the disc by pressing button (4), and check it. If it is all right, insert it again.
- Insert the disc with its label (printed) side facing up. If the disc is inserted with the label side facing down, it will not play, and the recorded side may be damaged.
- Do not insert two discs into the slot at the same time. This may cause a malfunction.

Using Highlight Scan

Highlight Scan is designed to enable you to conveniently scan all pieces of music contained in the disc by playing 10 seconds each at your designated point of time after the start of the music. The starting time of play is set at one minute in factory. Therefore, the Highlight Scan begins one minute after the start unless you designate it otherwise.

When you do not want to change the factory-set time:

- 1. Press Button (5), and "SCAN" (1) will illuminate.
- The contained pieces of music will be played in sequence for 10 seconds each one minute after the beginning.
- Press Button (§) again when your selected piece comes, and it will continue to play. At this point, the Highlight Scan discontinues to operate.
- The previous function automatically resumes when a piece of music with which Highlight Scan began returns.

Changing the Starting Time of Highlight Scan

When you want to set the starting time of the Highlight Scan to 30 seconds:

- Press Button ②, (+) and (−) sides simultaneously, and "MANU"
 will illuminate and time numerals will be displayed.
- Keep pressing either (+) or (-) side of Button 2 until the numerals reaches 30.



- Hold down Button (5) for two or more seconds, and "SCAN" (will illuminate and the Highlight Scan will begin 30 seconds after the start of the next piece of music.
- The starting time of Highlight Scan can be designated at ten or tens
 of seconds only. A tenth or tenths of seconds can be disregarded.
- If a piece of music ends before your designated point of time at which Highlight Scan starts, the scanning is performed for its beginning 10 seconds.
- If a piece of music lasts less than 10 seconds, so does the Highlight Scan.
- You may wish to change the starting time longer without suspending the function. You may do so, however, only to a relatively long-playing piece of music because, as a matter of course, the time cannot be set so as to come after the end of the music.

Using Random Play

This function uses the built-in microprocessor to randomly play tracks from the disc.

- Press button 6. "RDM" will appear on the display. Once the current track has been played, the microprocessor will randomly select the next track.
- 2. To cancel random play, press button 6 again.

Using Music Repeat

This function lets you listen to a track as many times as you wish.

- While the track you want to repeat is playing, press button ①. "⊊"
 will appear on the display. Now the track will repeat until the music repeat function is canceled.
- 2. To cancel music repeat, press button (7) again.
- When music repeat is not operational, the whole disc will be played repeatedly.

Using Fast Forward and Reverse

Press simultaneously both (+) and (-) sides of the button ② "MANU"
 will appear on the display. At this time the display will show the amount of elapsed disc play time.



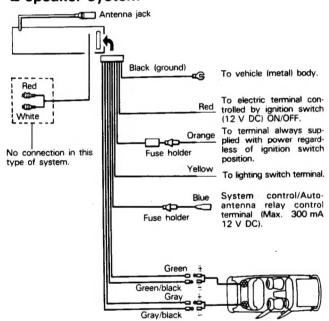
- Press the (+) side of button ② for fast forward, and the (-) side for reverse.
- · Sound is output during fast forward and reverse operations.
- When a disc in which there are several seconds between tracks is used, the amount of elapsed disc-play time is shown, for example, as -0*02 and -0*01.

5. CONNECTING THE UNITS

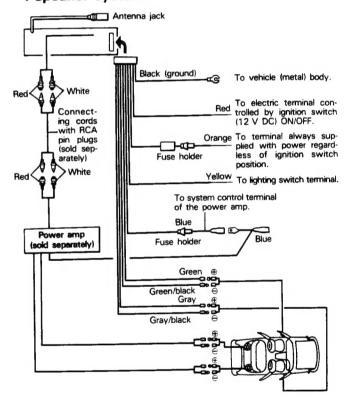
- Before making final connections, make temporary connections then operate the unit to check for any connecting cord problems.
- Refer to the owner's manual for details on connecting the various cords of the power amp and other units, then make connections correctly.
- Be sure to connect the memory power supply lead (orange) to a terminal that is always supplied with power regardless of the vehicle's ignition switch position. If this connection is made incorrectly or is forgotten, the unit will not work at all.
- Don't pass the orange lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right speaker
 ⊖ leads are common.
- Speakers connected to this unit must be high-power types possessing minimum rating of 25W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here can damage the speakers.

• DEH-750/UC

2-speaker system



4-speaker system



6. SPECIFICATIONS

General (DEH-750/UC, DEH-80/US)	
Power source	е
Max. current consumption	m
(nose)	m
Weight	
General (DEH-650/UC, DEH-620/US, DEH-600/EW)	
Power source	е
Dimensions (chassis)	m
(nose)	.]
Weight	s)
General (DEH-750/ES)	
Power source	96
Dimensions (chassis)	m
(nose)	n g
General (DEH-700SDK/WG, DEH-700/EW)	
Power source	e)
Grounding system Negative type Max. current consumption 5.5 A	e
Dimensions (chassis) 180 (W) × 50 (H) × 155 (D) mn	n
(front face)	n
Weight	g
Amplifier (UC, US model) Continuous power output is 10 W per channel min. into 4 Ω , both	
	-
channels driven 50 to 15,000 Hz with no more than 5% THD.	
channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	J)
channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	J) e)
channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	J) ⊕)
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channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	J) (2) (3) (3) (3) (4) (4) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9
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channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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channels driven 50 to 15,000 Hz with no more than 5% THD. Max. power output	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

System Compact disc audio system
Usable discs
Signal format Sampling frequency: 44.1 kHz
Number of quantization bits: 16; linear
Frequency characteristics5-20,000 Hz (± 1 dB) Signal-to-noise ratio90 dB (1 kHz) (IEC-A network)
Dynamic range
Number of channels
FM tuner (UC, US model)
Frequency range
Usable sensitivity 11 dBf (1.0 μ V/75 Ω , mono, S/N: 30 dB)
50 dB quieting sensitivity 16 dBf (1.7 μ V/75 Ω , mono)
Signal-to-noise ratio 70 dB (IHF-A network)
Distortion
Frequency response
Stereo separation
Three-signal intermodulation (desire signal level) 50 dBf
(two undesire signal level: 110 dBf)
Three-signal intermodulation
(desire signal level) (DEH-620/US)
(two undesire signal level: 110 dBf)
AM tuner (UC, US model)
Frequency range
Usable sensitivity 18 μV (25 dB) (S/N: 20 dB)
Selectivity
MW tuner (WG, EW model)
Frequency range
Selectivity
Selectivity
Selectivity 50 dB (±9 kHz) LW tuner (WG, EW model) 153-281 kHz
Selectivity
$ \begin{array}{llllllllllllllllllllllllllllllllllll$
$ \begin{array}{llllllllllllllllllllllllllllllllllll$
Selectivity 50 dB (± 9 kHz) LW tuner (WG, EW model) 153-281 kHz Frequency range 30 μV (30 dB) (S/N: 20 dB) Selectivity 50 dB (± 9 kHz) FM tuner (WG, EW, ES model) Frequency range 87.5-108 MHz
Selectivity

These specifications were determined and are presented in accordance with specification standards established by the Ad Hoc Committee of Car Stereo Manufacturers.

Note: Specifications and the design are subject to possible modification without notice due to improvements.

7. DISASSEMBLY

Removing the Case

- 1. Insert and turn a flat screwdriver to remove the case.
- 2. Raise the case to remove.

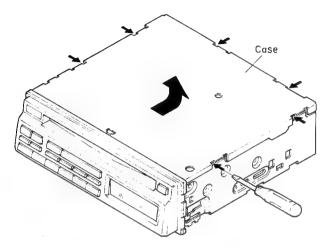


Fig. 1

- Removing the Grille Assy (DEH-750/UC, ES, 80/US, 700SDK/WG, 700/EW)
- Press the tabs at three locations indicated by arrows, and then pull out the grille assy.
- 2. Disconnect the two connectors.

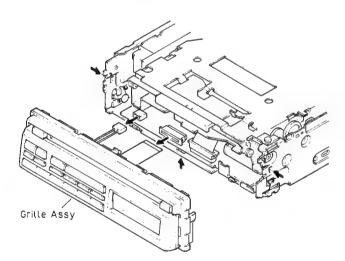


Fig. 2-1

Removing the Grille Assy (DEH-650/UC, 620/US, 600/EW)

- Press the tabs at three locations indicated by arrows, and then pull out the grille assy.
- 2. Disconnect the connector.

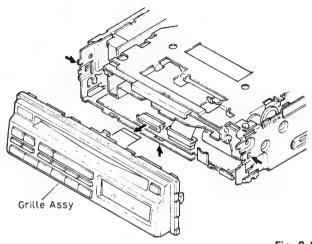


Fig. 2-2

- Removing the Display Unit (DEH-750/UC, ES, 80/US, 700SDK/WG, 700/EW)
- 1. Remove the four screws, and then remove the grille.
- 2. Pull out the display Unit.

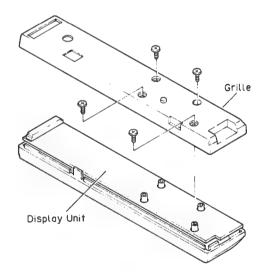
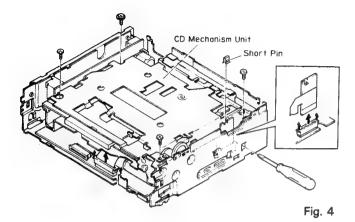


Fig. 3

Removing the CD Mechanism Unit

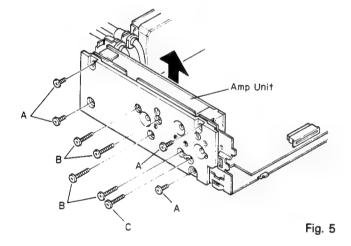
- 1. Remove the four screws.
- Disconnect the two connectors, and then remove the CD mechanism Unit.



NOTE: When remove the flexible p.c. board, always insert a shorting pin or insert an inter-pattern short (jumper) before disconnecting the flexible p.c. board from the connector.

Removing the Amp Unit

- 1. Remove the four screws A, and the four screws B.
- 2. Remove the screw C, and then remove the amp unit.



Removing the CD Tuner Unit

- 1. Remove the screw D, and then remove the holder.
- 2. Remove the screw E and F.
- 3. Remove the screw G, and then remove the holder.
- 4. Unbend the tabs at five locations indicated by arrows until straight.
- 5. Raise up on CD tuner unit to remove it from chassis unit.

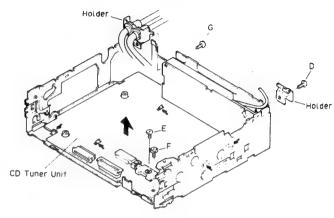


Fig. 6

8. ADJUSTMENT

1) Precautions

This unit uses a single power supply (+5V) of the regulator. The signal reference potencial, therefore, is connected to pin no. 26 (approx. 2.5V) of IC351 (CXA1081Q) instead of GND. (VC at test point)

If VC and GND are connected to each other by mistake during adjustments, not only will it be impossible to measure the potential correctly, but the servo will malfunction and a severe shock will be applied to the pick-up. To avoid this, take special note of the following.

Do not connect the negative probe of the measuring equipment to VC and GND together. It is especially important not to connect the channel 1 negative probe of the oscilloscope to VC with the channel 2 negative probe connected to GND.

And since the frame of the measuring instruments is usually at the same potential as the negative probe, change the frame of the measuring instrument to floating status.

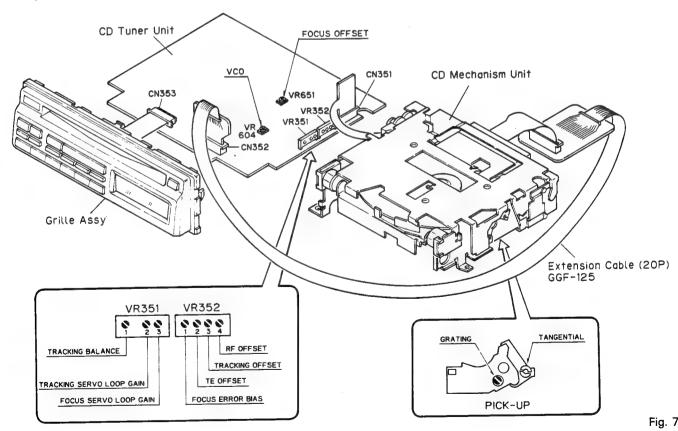
If by accident VC comes in contact with GND, immediately switch the regulator or power OFF.

- Always make sure the regulator is OFF when connecting and disconnecting the various filters and wiring required for measurements.
- Before proceeding to further adjustments and measurements after switching regulator ON, let the player run for about one minute to allow the circuits to stabilize.

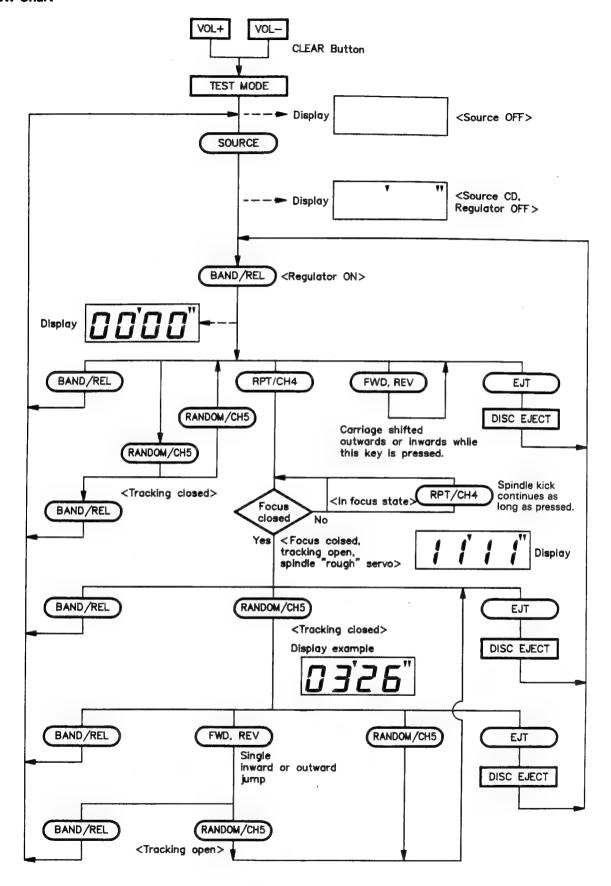
- Since the protective systems in the unit's software are rendered inoperative in test mode, be very careful to avoid mechanical and/or electrical shocks to the system when making adjustments.
- Test mode starting procedure
 While pressing the VOL button and the VOL + button,
 press Clear button.
- Test mode cancelation Press Clear button.
- Disc detection during loading and eject operations is performed by means of a photo transistor in this unit. Consequently, if the inside of the unit is exposed to a strong light source when the outer casing is removed for repairs or adjustment, the following malfunctions may occur.
 - During PLAY, even if the eject button is pressed, the disc will not be ejected and the unit will remain in the PLAY mode.
 - O The unit will not load a disc.

When the unit malfunctions this way, either re-position the light source, move the unit or cover the photo transistor.

2) Adjustment Point



• Flow Chart



Test PointCD Tuner Unit

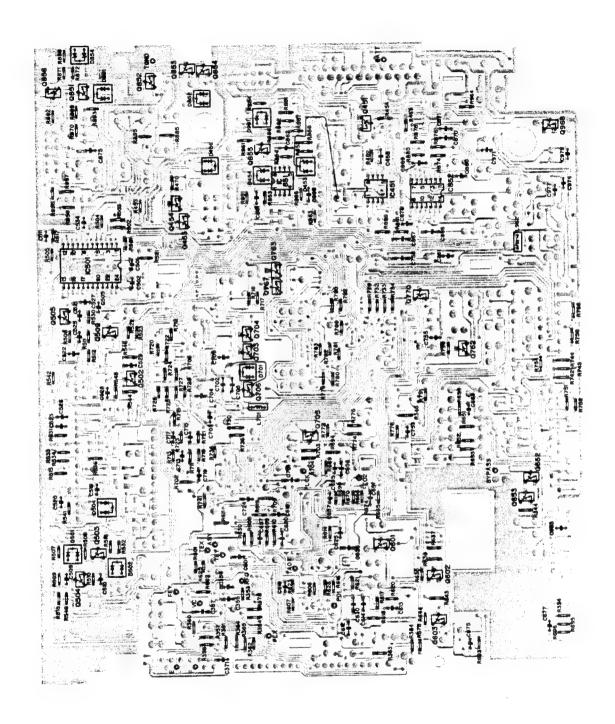


Fig. 8

8.1 Focus Offset Adjustment

- Purpose: To adjust the electrical offset of the focus amplifier to zero.
- Maladjustment symptoms: No focus closing
- Measuring equipment/
- Measuring point
- Test disc and setting
- Adjustment position
- Multi-meter or oscilloscope
- FEQ2
- No disc, test mode
- VR651

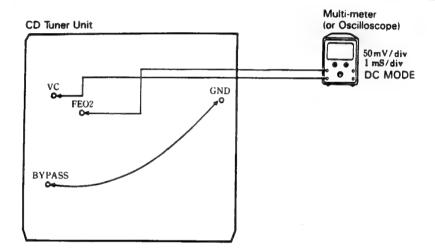


Fig. 9

Adjustment Procedure

- Connect BYPASS to GND. (Perform the following steps to stop the drive.)
- 2. Switch regulator ON.
- 3. Using VR651, adjust the FEO2 DC voltage in reference to VC to a value of 0 ±25mV.
- Perform the following steps while BYPASS is connected to GND.

8.2 VCO Free Run Frequency Adjustment

- Purpose: To adjust the EFM decoder reference clock free- run frequency to a suitable value
- Maladjustment symptoms: Spindle lock not possible, distorted sound or no sound at all
- Measuring equipment/ jigs
- Measuring point
- Test disc and setting
- Adjustment position
- Frequency counter, extension cables
- Pin no.70 (PLCK) of IC701 (CXD1167Q)
- No disc
- Test mode
- VR604

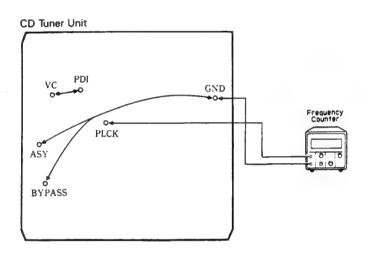


Fig. 10

Adjustment Procedure

- Connect pin no.7 (TP ASY) of IC351 to GND. Connect BYPASS to GND.
- 2. Connect pin no.1 (TP VC) of IC601 to pin no.28 (TP PDI).
- 3. Switch regulator ON while in test mode.
- 4. Connect the frequency counter to pin no.70 (TP PLCK) of IC701 (CXD1167Q).
- 5. Adjust VR604 to obtain a frequency of 4.59MHz \pm 0.01MHz.
- 6. Switch regulator OFF.
- 7. Disconnect the leads connecting TP VC to TP PDI, and TP ASY to GND.

Note: Connect TP VC and TP PDI with leads kept as short as possible.

Note: Connect the frequency counter ground to TP GND as shown in the figure.

8.3 RF Offset Adjustment

- Purpose: To adjust the RF amplifier offset to a suitable value
- Maladjustment symptoms: Focus closure fails readily
- Measuring equipment/
- Oscilloscope
- Measuring point
- RFO
- Test disc and settingAdjustment position
- No disc
- VR352-4 (RFO)
- c Test mode

Oscilloscope

VC

RFO

OSCILOSCOPE

SOMV/div

I mS/div

DC MODE

When using a multi-channel oscilloscope,
do not connect the other negative probe
to ground.

Fig. 11

Adjustment Procedure

- 1. Connect BYPASS to GND.
- 2. Switch regulator ON.
- 3. Using the oscilloscope, measure the RFO DC voltage in reference to VC, and adjust VR352-4 (RFO) to obtain a reading of $\pm 40 \pm 10$ mV.

8.4 tracking Offset Adjustment

- Purpose: To adjust the electrical offset of the tracking amplifier to zero
- Maladjustment symptoms: Search times too long, carriage run-away
- Measuring equipment/ iias
- Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope
- TAO low-pass filter output
- No disc Test mode
- VR352-3 (TO)

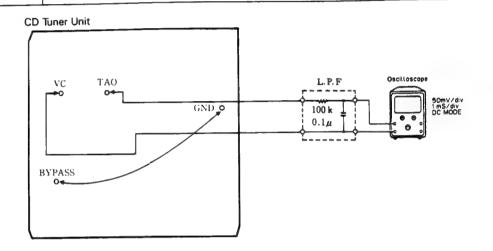


Fig. 12

Adjustment Procedure

- 1. Insert a low-pass filter between TAO and VC.
- 2. Check that BYPASS is connected to GND.
- 3. Switch regulator ON.
- Using the oscilloscope, measure the TAO LPF output DC voltage in reference to VC, and adjust VR352-3 (TO) to obtain a reading of 0 ± 25mV.

The low-pass filter may be left in place for later adjustments.

8.5 TE Offset Adjustment-I

- Purpose: To adjust the electrical offset of the tracking servo to zero. Maladjustment symptoms: Search times too long, carriage run-away Measuring equipment/ • DC voltmeter jigs Measuring point • TAO low-pass filter output Test disc and setting No disc Test mode Adjustment position VR352-2 (TEO) **CD Tuner Unit** VCTAO Oscillascone 20mV/div. GNDo 100 k 1ms/div. DC MODE **BYPASS** Fig. 13 Adjustment Procedure 1. Check that BYPASS is connected to GND.
- 2. Switch regulator ON while in test mode.
- 3. Press the RANDOM/CH5 key to close tracking.
- 4: Using VR352-2 (TEO), adjust the TAO LPF output DC voltage in reference to VC to a value of 0 ± 10 mV.
- 5. Switch regulator OFF.

8.6 Tracking Balance Adjustment-I

- Purpose: To adjust the tracking servo offset to zero.
- Maladjustment symptoms: Search times too long, poor playability, carriage run-away
- Measuring equipment/ iias
- jigs ■ Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope
- TEY (Tracking error signal), low-pass filter output
- SONY TYPE 4 (or TYPE 3) Test mode
- VR351-1 (T. BAL)

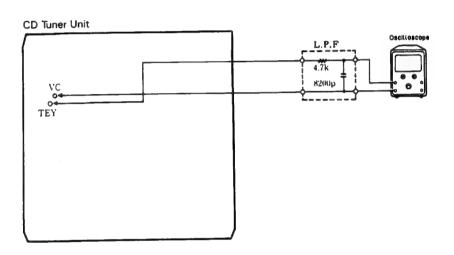


Fig. 14

Adjustment Procedure

- 1. After checking that regulator is OFF, connect the low-pass filter as shown in the diagram.
- 2. Disconnect BYPASS from ground.
- 3. Load the test disc (SONY TYPE 4). Switch regulator ON.
- 4. Using the FWD or REV key, move the pick-up to about the center of the signal surface.
- 5. Press the RPT/CH4 key to close focus.
- Using an oscilloscope, observe the TEY signal in respect to VC. Then adjust VR351-1 (T.BAL) to set the positive and negative amplitudes to the same levels. (See Fig. 15-17)
- 7. Switch the power OFF.

The low-pass filter may be left in place for later adjustments.

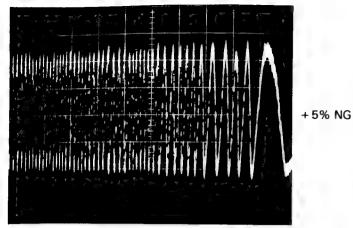
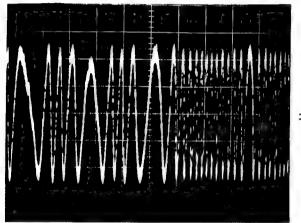
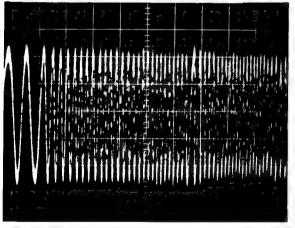


Fig. 15



±0% OK

Fig. 16



-5% NG

10ms/div. 0.2V/div. DC Mode

Fig. 17

8.7 Tangential Skew Check

- Purpose: To check whether tangential skew has been misaligned or not when replacing the pick-up unit. _
- Maladjustment symptoms: No disc playback; track jumping
- Measuring equipment/ iias
- Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope, extension connectors, screwdriver
- RFO
- SONY TYPE 4 (or TYPE 3) Normal mode
- Pick-up tangential adjustment screw

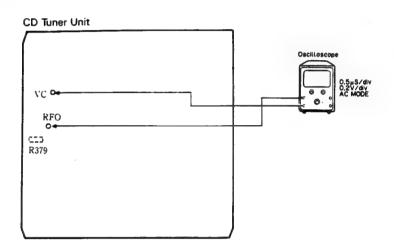
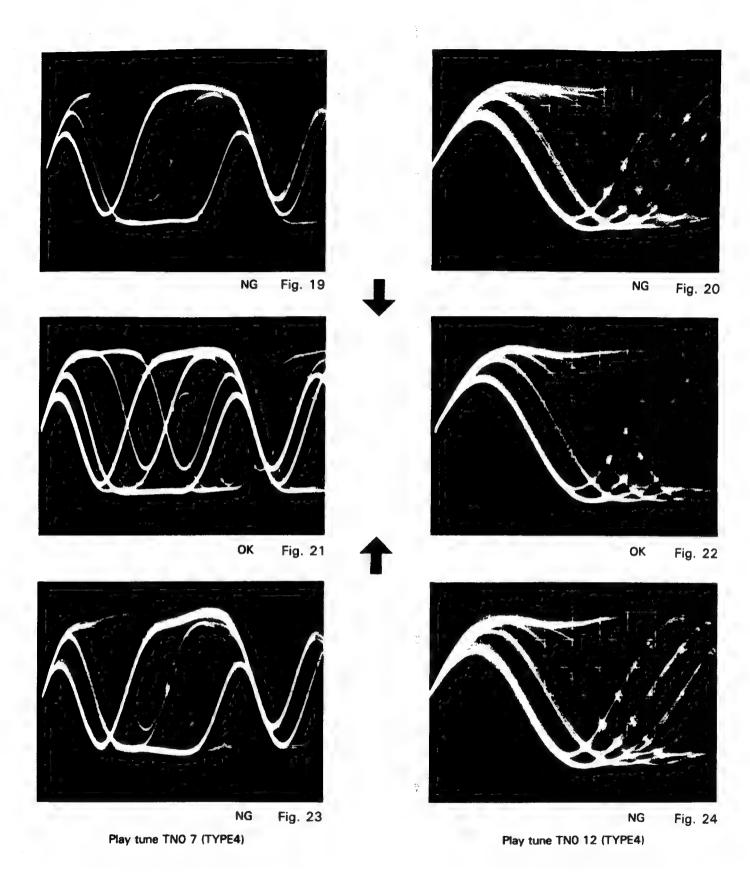


Fig. 18

Adjustment Procedure (with R379 removed)

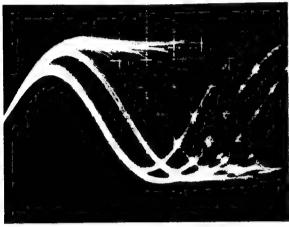
- 1. Remove R379 (but reconnect after completing adjustment).
- 2. Play tune TNO 7 in normal mode. (TYPE 3: TNO 23)
- 3. Check that the valley at the 11T section of the RF waveform is flat.
- 4. If out of adjustment, readjust to obtain a flat RF waveform. (See Fig. 19-24)Take care not to knock the pick-up with the screwdriver at this stage. (This kind of accident can result in loss of focus.)
- 5. Switch the power OFF and reconnect R379.
- 6. Apply "screw-lock" to the tangential adjustment screw.
- 7. After adjusting tangential skew, also adjust the grating.
- If tangential skew is seriously out of adjustment, carriage stopping and run-away tend to occur in normal mode. In this case.
 - a) Switch to test mode,
- b) Shift the pick-up to signal surface center using FWD or REV key.
- c) Press the RPT/CH4 key to close focus.
- d) Press the RANDOM/CH5 key to close the tracking.

- e) Observe RFO in respect to VC, and turn the tangential adjustment screw to obtain a flat waveform at the 11T
- f) Repeat the adjustment resuming from step 2.

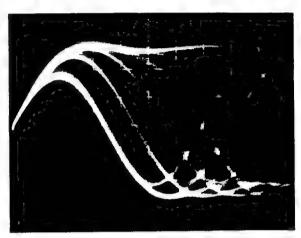


Adjustment Procedure (without R379 removed)

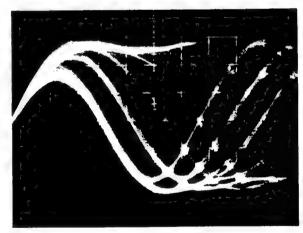
- 1. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- 2. Turn the tangential adjustment screw to obtain a good RF waveform eye pattern. Turn the adjustment screw both clockwise and counterclockwise to points where the eye pattern deteriorates, and take the midway point as the adjustment point. As a general guide, look for an overall clear waveform, and one of the diamond shapes in the eye pattern. The diamond shapes should appear in fine lines at the point of optimum adjustment. Take care not to knock the pick-up with the screwdriver at this stage. (This kind of accident can result in loss of focus.) (See Fig. 25-27)
- 3. Apply "screw-lock" to the tangential adjustment screw.
- 4. After adjusting tangential skew, also adjust the grating.



NG Fig. 25



OK Fig. 26



NG Fig. 27

8.8 Grating Adjustment

- Purpose: The grating may need adjustment in a replaced pick-up assembly.
- Maladjustment symptoms: No disc playback; track jumping
- Measuring equipment/ iigs
- Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope, clock driver, grating adjustment filter (bandpass filter),
 AC millivoltmeter, two low-pass filters
- TEY, E LPF output, F LPF output
- SONY TYPE 4 (or TYPE 3) Test mode
- Pick-up grating adjustment hole

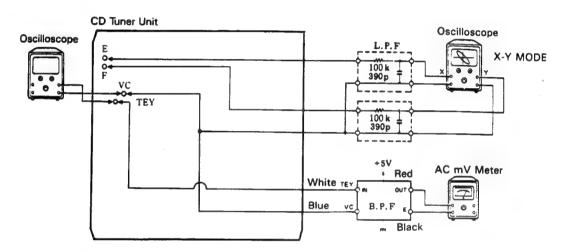


Fig. 28

Adjustment Procedure

- 1. Connect a low-pass filter (100k, 390p) to test points E, F, and VC as shown in the above diagram.
- 2. Switch regulator ON in test mode, and load a disc.
- 3. Press the RPT/CH4 key to close focus.
- 4 Press the RANDOM/CH5 key to close tracking.
- 5. Press the FWD or REV key, move the pick-up to about the center of the signal surface (tune TNO 6). (TYPE 3: TNO 7)
- 6. Press the RANDOM/CH5 key to open tracking.
- 7. While monitoring the TEY filter output by AC milli-voltmeter, turn the grating adjustment hole slowly. The AC voltage increases and decreases while turning the screw. Search for the minimum voltage level. (This corresponds to the position where the grating is on a track, and is referred to as the null point.)
- 8. Then while monitoring TEY by oscilloscope, turn the driver slowly clockwise from the null point (as seen from under the lens) until the first waveform peak amplitude is reached. (See Fig. 30-35)

- With the E low-pass filter output connected to the X axis
 of the oscilloscope, and the F low-pass filter output connected to the Y axis, apply an input in AC mode and observe the
 Lissajous figure.
- 10. Using the driver, adjust the Lissajous figure to a single line (or as close as possible).
- 11. Switch regulator OFF and remove the filters.

B.P.F.

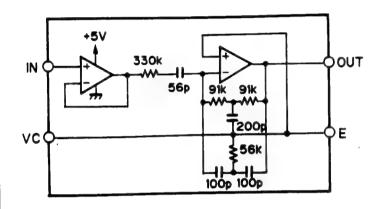
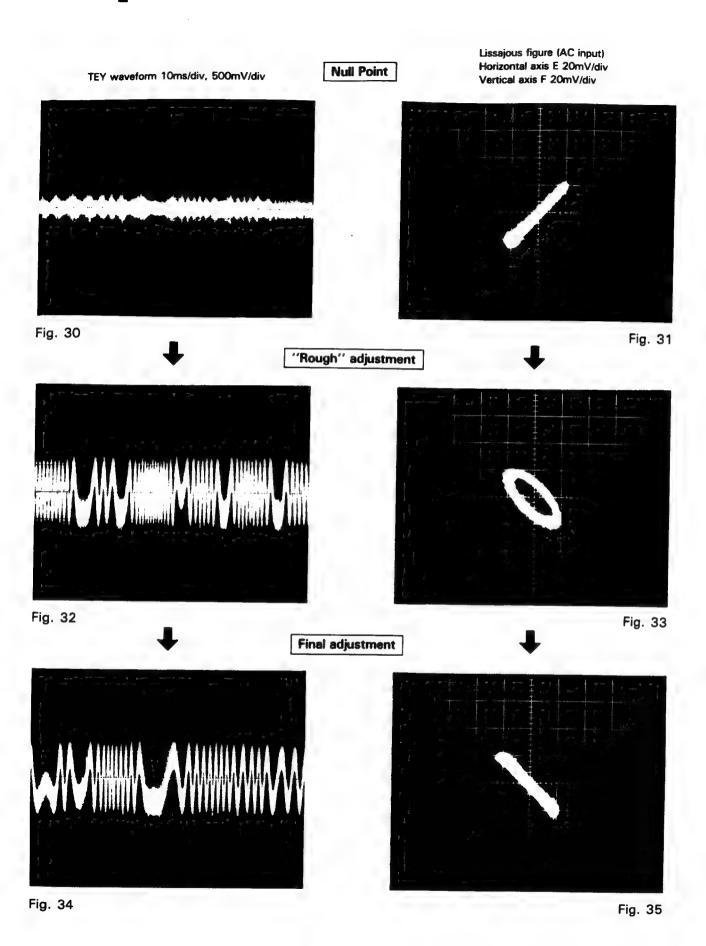
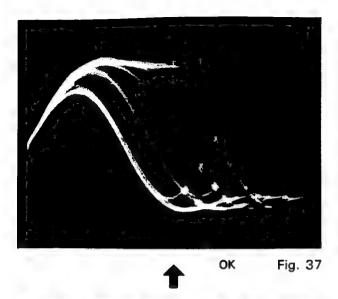


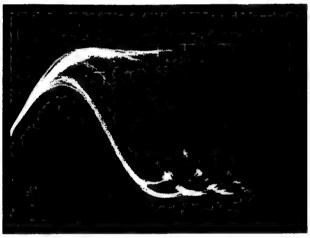
Fig. 29



8.9 Focus Bias Adjustment

- Purpose: To adjust the focus servo bias to an optimum value ● Maladjustment symptoms: Focus closing difficulty, poor playability Oscilloscope Measuring equipment/ Measuring point • RFO • SONY TYPE 4 (or TYPE 3) • Normal mode ■ Test disc and setting Adjustment position • VR352-1 (FEB) **CD Tuner Unit** 0.2µS/div. 0.2V/div. AC MODE RFO Fig. 36 **Adjustment Procedure**
- 1. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- Observe RFO in respect to VC in the oscilloscope, and adjust VR352-1 (FEB) to obtain maximum RF and optimum eye pattern. (See Fig. 37 and 38)





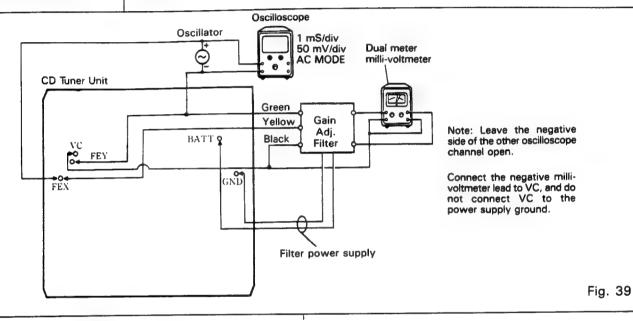
0.2μs/div. 0.2V/div. AC Mode

Before adjustment

Fig. 38

8.10 Focus Servo Loop Gain Adjustment

- Purpose: To adjust the focus servo loop gain to an optimum value
- Maladjustment symptoms: Poor playability, reduced resistance to vibration, focus closure fails readily
- Measuring equipment/
- jigs ● Measuring point
- Test disc and setting
- Adjustment position
- Oscillator, gain adjustment filter, dual meter milli-voltmeter Same as for CDX-2
- FEX, FEY
- SONY TYPE 4 (or TYPE 3) Normal mode
- VR351-3 (FG)

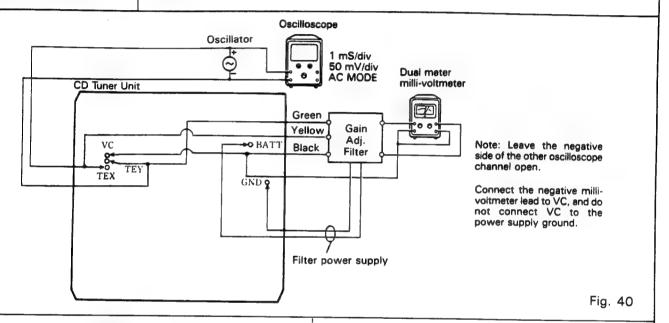


Adjustment Procedure

- After checking that the power is OFF, connect the gain adjustment filter and measuring equipment as shown in the above diagram.
- 2. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- 3. Set the oscillator to 1kHz, and observe the FEX/FEY output in the oscilloscope. Adjust the oscillator output to obtain a FEX/FEY output of 200mVp-p.
- 4. Adjust VR351-3 (FG) to obtain a milli-voltmeter difference of 0 \pm 0.5dB.

8.11 Tracking Servo Loop Gain Adjustment

- Purpose: To adjust the tracking servo loop gain to an optimum value
- Maladjustment symptoms: Poor playability, reduced resistance to vibration
- Measuring equipment/ iias
- ılgs ● Measuring point
- Test disc and setting
- Adjustment position
- · Oscillator, gain adjustment filter, dual meter milli-voltmeter
- TEX, TEY
- SONY TYPE 4 (or TYPE 3) Normal mode
- VR351-2 (TG)



Adjustment Procedure

- After checking that the power is OFF, connect the gain adjustment filter and measuring equipment as shown in the above diagram.
- 2. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- Set the oscillator to 1.4kHz, and observe the TEX/TEY output in the oscilloscope. Adjust the oscillator output to obtain a TEX/TEY output of 200mVp-p.
- 4. Adjust VR351-2 (TG) to obtain a milli-voltmeter difference of 0 \pm 0.5dB.

8.12 TE Offset Adjustment - II

Purpose: To adjust the electrical offset of the tracking servo to zero.	
Maladjustment symptoms: Search times too long, carriage run-away	

- Measuring equipment/ jigs
- DC voltmeter
- Measuring point
- TAO low-pass filter output
- Test disc and setting
- Test mode
- Adjustment position
- No discVR352-2

Adjustment Procedure

Same as for TE offset adjustment - I, but with the DC voltage of the TAO LPF output adjusted to 0 $\pm\,50\text{mV}.$

The purpose of this additional adjustment is to correct any deviations generated when carrying out the tracking balance and tracking servo loop gain adjustments after completing TE offset adjustment - I.

8.13 Tracking Balance Adjustment - II

- Purpose: To adjust the tracking servo offset to zero.
- Maladjustment symptoms: Search times too long, poor playability, carriage run-away
- Measuring equipment/ jigs
- Oscilloscope
- Measuring point
- TEY low-pass filter output
- Test disc and settingAdjustment position
- SONY TYPE 4 (or TYPE 3) Test mode
- VR351-1

Adjustment Procedure

Steps 1 thru 5 same as tracking balance adjustment-l.

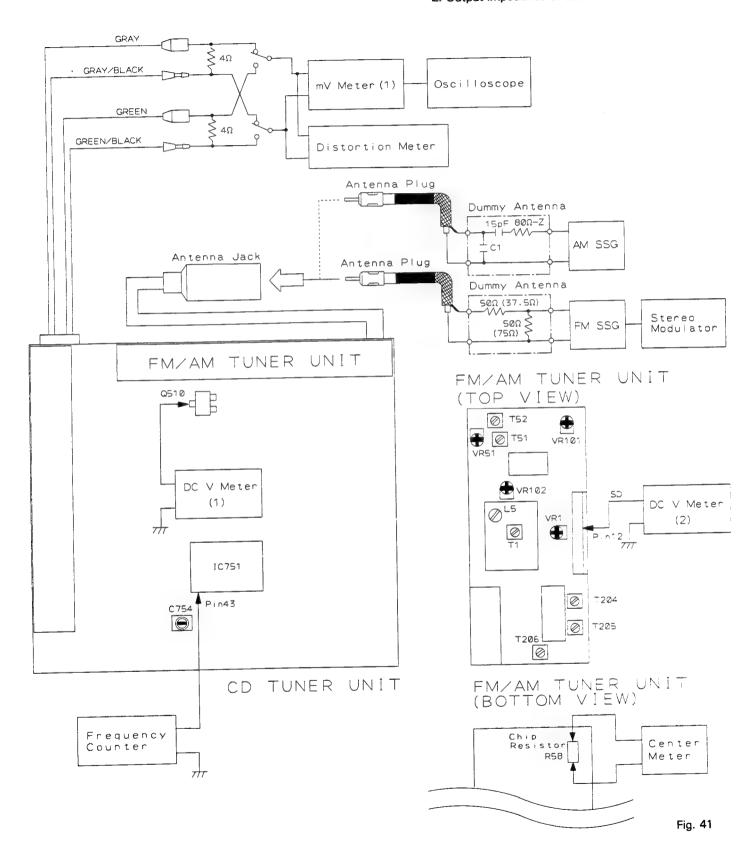
- Check that the level difference between the positive and negative amplitudes of the TEY signal is within 5% (See Fig. 15-17). If greater than 5%, adjust with VR351-1.
- 7. If further adjustment was necessary in step 6, repeat TE offset adjustment - II.

8.14 Tuner and Clock Section

• Connection Diagram

NOTICE: Select C1 so that total capacity of 80pF attained from the direction of the receiver jack.

Z: Output impedance of SSG.



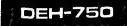
MW/LW ADJUSTMENT (DEH-700SDK/WG, DEH-700, 600/EW)

	Ma	AM SSG (400Hz, 30%)		Displayed	Adjusting	Adjustment Method
	No.	Frequency (kHz)	Level (dB μ V)	Frequency (kHz)	Point	(Switch Position)
Tun- ing Volt	1	(MW MODE)		1,602		Verify that DC V Meter (1) is less than 6.5V.
V010	2	(LW MODE)		153		Verify that DC V Meter (1) is more than 2.0V.
l F		999	20 — 25	999	T204, 205, 206	mV Meter(1):Maximum

AM ADJUSTMENT (DEH-750/UC, ES, DEH-80, 620/US, DEH-650/UC)

*:ES model when tuning step at 9kHz.

	No.	AM \$86 (400Hz, 30%)		Displayed	Adjusting	Adjustment Method
		Frequency (kHz)	Level (dB μ V)	Frequency (kHz)	Point	(Switch Position)
Tun- ing Volt	1			1,710 *(1,602)		Verify that DC V Meter (1) is less than 6.5V.
V O I (2			530 * (531)		Verify that DC V Meter (1) is more than 2.0V.
l F	1	1.000 *(999)	20 — 25	1,000 *(999)	T204, 205, 206	mV Meter(1):Maximum



FM ADJUSTMENT

 $\ensuremath{\, \frac{1}{2}}\xspace$ Stereo MOD.: 1kHz,L+R=90% , Pilot=10%

*: US and UC model

		FM \$\$6 (400	Hz, 100%)	Displayed Frequency	Adjusting Point	Adjustment Method (Switch Position)				
	No.	Frequency (MHz)	Level (dB μ V)	(MHz)	r o i ii c	(0#110#100#10#/				
I F	1	98. 1	60	98. 1	T 5 1	Center Meter:0				
	2	98. 1	60	98. 1	T 5 2	Distortion Meter:Minimum				
	3	Repeat No. 1-2 alternately so that the center meter indicates the 0 output and distortion meter indicates minimum output.								
Fro- nt End	-1			108.0 *(107.9)	L 5	DC V Meter(1):6.2 ± 0.2 V				
	2			87. 5 * (87. 9)		Verify that DC V Meter(1) is more than 2.1 \pm 0.6 V				
	3	98. 1	8	98.1	Т1	Distortion Meter:Minimum				
Soft	1	98. 1	60	98. 1		mV Meter(1):A dB				
Mute	2	98. 1	10	98.1	VR102	mV Meter(1):A-3dB				
ARC	1	98.1%	35	98. 1	VR101	mV Meter(1):Separation 5dB				
SD	1	98. 1	17	98.1	VR51	DC V Meter(2):Approx. 5V				
	2	98. 1	16	98.1		Verify that DC V Meter (2) is approx. OV.				
	3	98. 1	55	98. 1	VR1	DC V Meter(2):Approx. 5V				
	4	98. 1	54	98.1		Verify that DC V Meter (2) is approx. OV.				

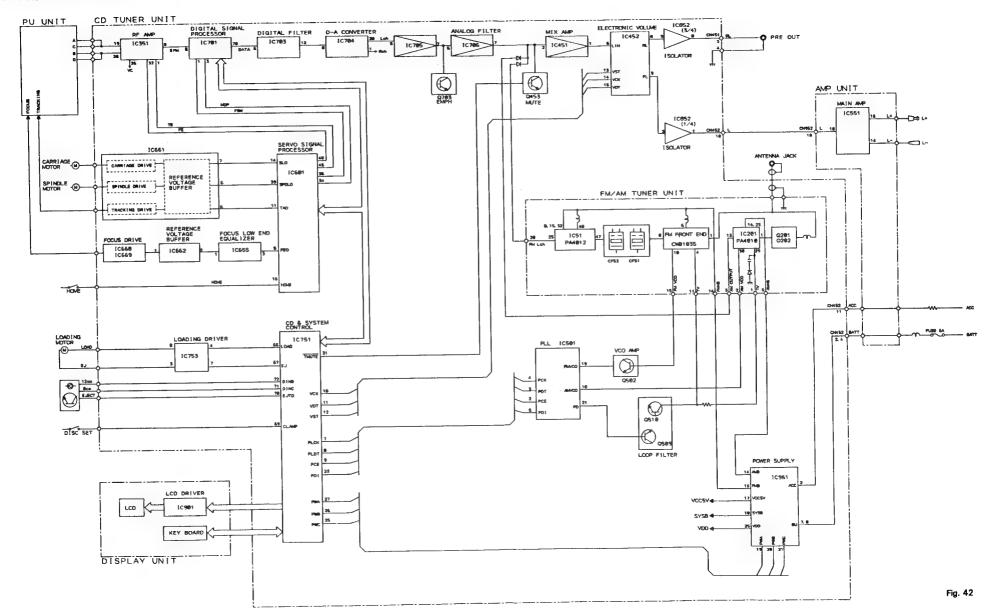
CLOCK ADJUSTMENT (DEH-750/UC, ES, DEH-80, 620/US, DEH-650/UC)

No.	Adjustment point	Adjustment Method
1		Press the CLEAR button
2		Set IC751 TESTIN (24 pin) to L (i.e., connect to GND).
3		Measure the frequency output from DISB/CLOCK (43 pin). (This is output only when TESTIN is in the L state.)
4	C754	Frequency counter: 1.048567MHz ± 2Hz

Note: Since the 43 pin acts also as a DISB terminal, adjustment should be made with all of sources kept OFF.

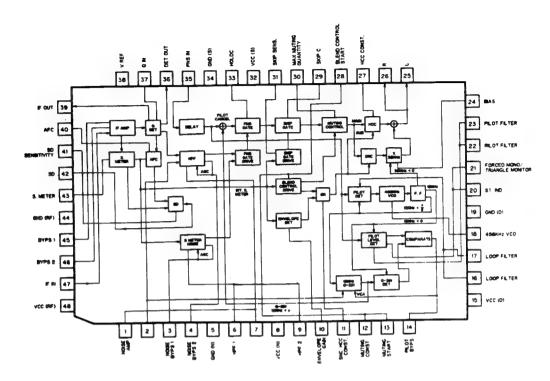
9. BLOCK DIAGRAM

• DEH-750/UC

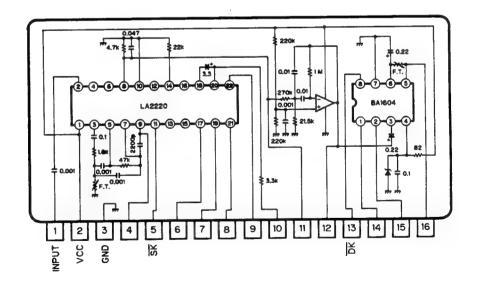


• ICs

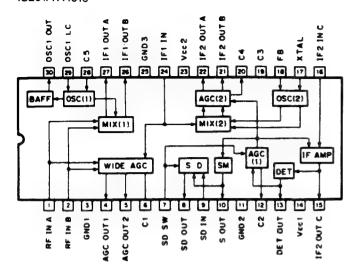
IC51: PA4012



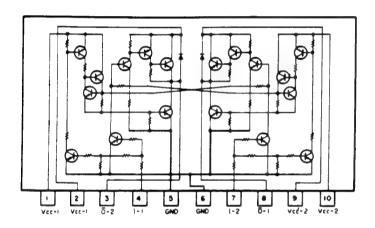
IC502: KHA172



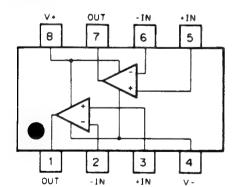
IC201: PA4010



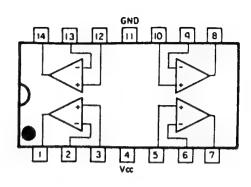
IC753: M54546AL



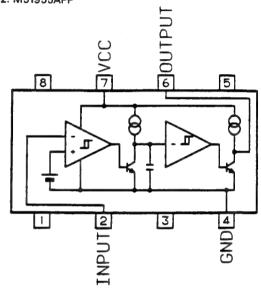
IC451, 655, 657, 662, 706, 851: M5218FP IC705: UPC358G2



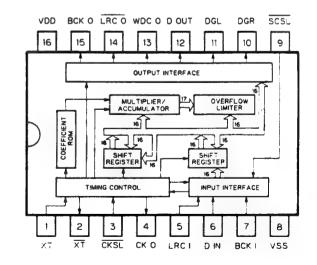
IC852: M5228FP



IC752: M51955AFP



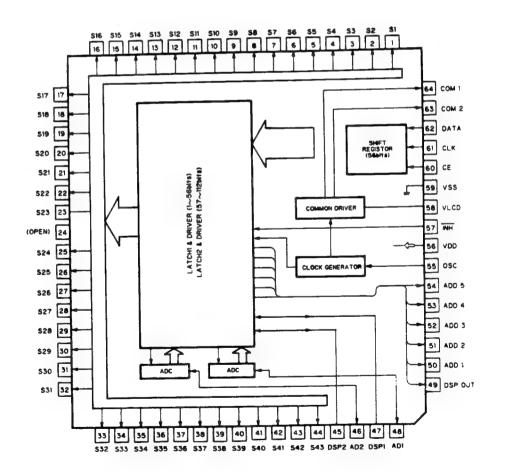
IC703: SM5807ES-M



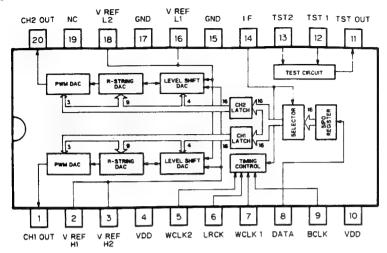
• Pin Functions (SM58_07ES-M)

• P r	1		
Pin	Pin name	1/0	Function and Operation
1	ΧT	input	Oscillator input
2	ΧT	output	Oscillator output
3	CKSL		"H":XT←16.93MHz input
4	СКО	output	Clock output
5	LRCI		44.1kHz synchronization clock input
6	DIN		Serial data input
7	BCKI		Bit clock input(Serial input)
8	VSS		GND
9	SCSL		System clock switching. "H":192fs(fs:Sampling frequency)
1 0	DGR	output	R-ch digridge signal (176.4kHz)
1 1	DGL	output	1 (430 4111-)
1 2	DOUT	output	Serial data output
1 3	WDCO	output	Output control clock (352.8kHz)
	LRCO	output	1 1 (170 (110-)
1 4		output	10 11 1 11 11 11
1 5	ВСКО	output	Power supply (5V)
1 6	VDD		tomer sobbit to the

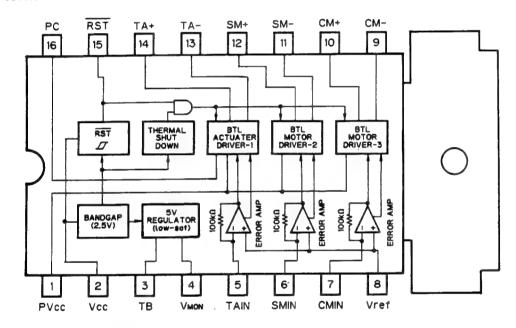
IC901: LC7582A



IC704: LC7881MBM

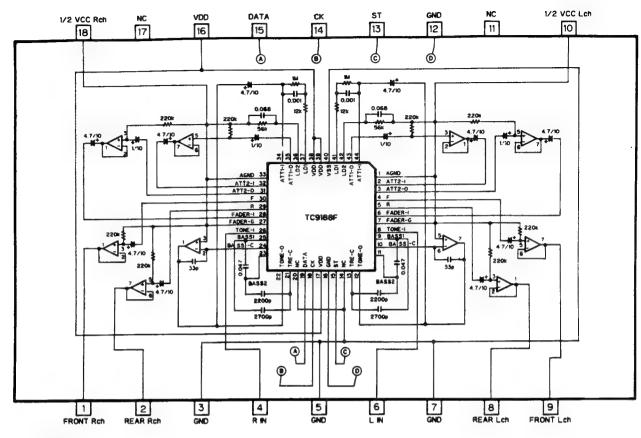


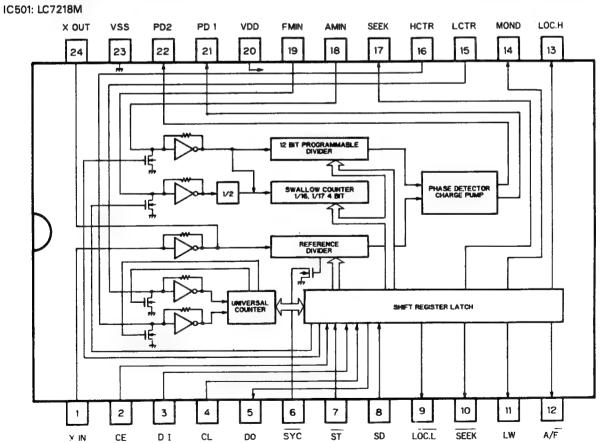
IC651: AN8377N

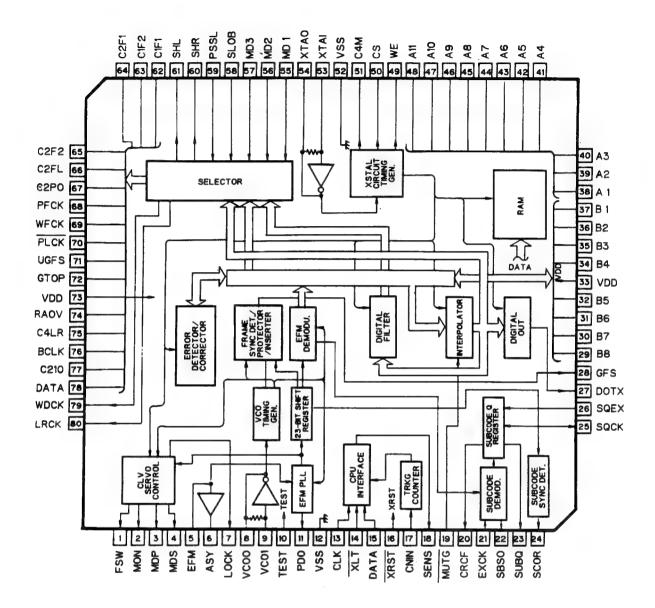


•Pin Functions (AN837	77N)
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Pin name	1/0	Function and Operation
PVCC		Driver power supply
VCC		Power supply
TB	input	Transistor base input
VMON	output	5V regulator output
TAIN	input	Actuater driver 1 error input
SMIN	input	Motor driver 2 error input
CMIN	input	Motor driver 3 error input
VREF	input	Vref input
CM-	output	Motor driver 3 ·inverter output
CM+	output	Motor driver 3 -non-inverting output
S M -	output	Motor driver 2 ·inverter output
S M +	output	Motor driver 2 •non-inverting output
TA-	output	Actuator driver 1 · inverter output
T A +	output	Actuator driver 1 · non-inverting output
RST	output	Reset output
PC		PC input
	Pin name PVCC VCC TB VMON TAIN SMIN CMIN VREF CM- CM+ SM- SM+ TA- TA+ RST	Pin name I/0 PVCC VCC TB input VMON output TAIN input SMIN input CMIN input VREF input CM- output CM+ output SM- output SM+ output SM+ output TA- output TA- output RST output







● Pin Functions (CXD1167Q)

Pin No.	Pin Name	I/O	Function and Operation
1	FSW	Output	Spindle motor output filter time constant selector output
2	MON	Output	Spindle motor ON/OFF control output
3	MDP	Output	Spindle-motor drive output - "rough" control in CLV-S mode, and phase control in CLV-P mode
4	MDS	Output	Spindle motor drive output - speed control in CLV-P mode
5	EFM	Input	EFM signal input from RF amplifier
6	ASY	Output	EFM signal slice level control output
7	LOCK	Output	Sampling of GFS signal by WFCK/16 - "H" output if "H", "L" output if "L" detected eight times in succession
8	VC00	Output	VCO output - f = 8.6436MHz when EFM signal is locked
9	VCOI	Input	VCO input
10	TEST	Input	(OV)
11	PDO	Ouptut	EFM signal and VCO/2 phase comparison output
12	Vss	_	Ground (OV)
13	CLK	Input	Serial data transfer clock input from CPU - data latched by clock leading edge
14	XLT	Input	Latch input from CPU - 8-bit shift register data (serial data from CPU) is latched in each register.
15	DATA	Input	Serial data input from CPU
16	XRST	Input	System reset signal input - reset when "L"
17	CNIN	Input	Tracking pulse input
18	SENS	Output	Output of internal status according to address
19	MUTG	Input	Muting input - when ATTM of internal register A is "L", MUTG "L" denotes normal status, and "H" muted status
20	CRCF	Output	Sub-code Q CRC check result output
21	EXCK	Input	Clock input for sub-code serial output
22	SBSO	Output	Sub-code serial output
23	SUBQ	Output	Sub-code Q output
24	SCOR	Output	Sub-code synchronizing S0 + S1 output
25	SQCK	Input/Output	Sub-code Q read clock
26	SQEX	Input	SQCK selector input
27	DOTX	Output	Digital out output (WFCK output)
28	GFS	Output	Frame synchronizing lock status indicator output
29	B8	Input	Connected to GND
30	B7	Input	Connected to GND
31	В6	Input	Connected to GND
32	B5	Input	Connected to GND
33	V _{DD}	-	Power supply (+5V)
34	B4	Input	Connected to GND
35	В3	Input	Connected to GND

Pin No.	Pin Name	1/0	Function and Operation
36	B2	Input	Connected to GND
37	B1	Input	Connected to GND
38	A1	Input	Connected to GND
39	A2	Input	Connected to GND
40	А3	Input	Connected to GND
41	Α4	Input	Connected to GND
42	A5	Input	Connected to GND
43	A6	Input	Connected to GND
44	A7	Input	Connected to GND
45	A8	Input	Connected to GND
46	A9	Input	Connected to GND
47	A10	Input	Connected to GND
48	A11	Input	Connected to GND
49	WE	Output	External RAM write enable signal output (active "L")
50	cs	Output	External RAM chip select signal output (active "L")
51	C4M	Output	X'tal frequency division output (f = 4.2336MHz)
52	Vss	_	Ground (OV)
53	XTAI	Input	Crystal oscillator Input
54	XTAO	Output	Crystal oscillator output
55	MD1	Input	Mode selector input 1
56	MD2	Input	Mode selector input 2
57	MD3	Input	Mode selector input 3
58	SLOB	Input	Audio data output code selector input - 2's complement output "L", offset binary output if "H"
59	PSSL	Input	Audio data output mode selector input - serial output if "L", parallel output if "H"
60	SHR	Output	Aperture correction control output - "H" when right channel
61	SHL	Output	Aperture correction control output - "L" when left channel
62	C1F1	Output	C1F1 output
63	C1F2	Output	C1F2 output
64	C2F1	Output	C2F1 output
65	C2F2	Output	C2F2 output
66	C2FL	Output	C2FL output
67	C2PO	Output	C2PO output
68	RFCK	Output	RFCK output
69	WFCK	Output	WFCK output
70	PLCK	Output	PLCK output
71	UGFS	Output	UGFS output
72	GTOP	Output	GTOP output

Pin No.	Pin Name	I/O	Function and Operation
73	V _{DD}		Power supply (+5V)
74	RAOV	Output	RAOV output
75	C4LR	Output	C4LR output
76	BCLK	Output	C210 output
77	C210	Output	C210 output
78	DATA	Output	DATA output
79	WDCK	Output	Strobe signal output
80	LRCK	Output	Strobe signal output

Note:

C1F1: C1 decoding error correction status monitor output

C1F2: C2F1: C2 decading error correction status monitor output

C2F1: C2F2: C2 decoding error correction status monitor output

C2FL: Corrected status output - "H" if C2 system currently being corrected cannot be corrected

C2PO: C2 pointer indication output - synchronized with audio data output

RFCK: Read frame clock output - crystal oscillator 7.35kHz

WFCK: Write frame clock output - f = 7.35kHz when crystal oscillator is locked

PLCK: VCO/2 output - f = 4.3218MHz when EFM signal is locked

UGFS: Unprotected frame synchronizing pattern output

GTOP: Frame synchronization protection status indicator output

RAOV: ±4 frame jitter absorption RAM overflow and underflow indicator output

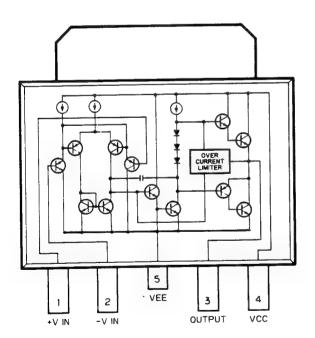
C4LR: Strobe signal

BCLK: C210 inverting output

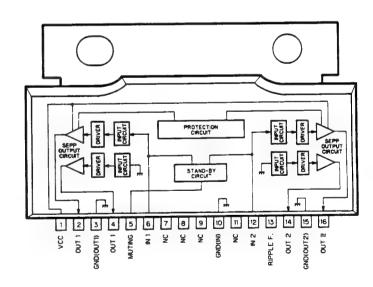
C210: Bit clock output

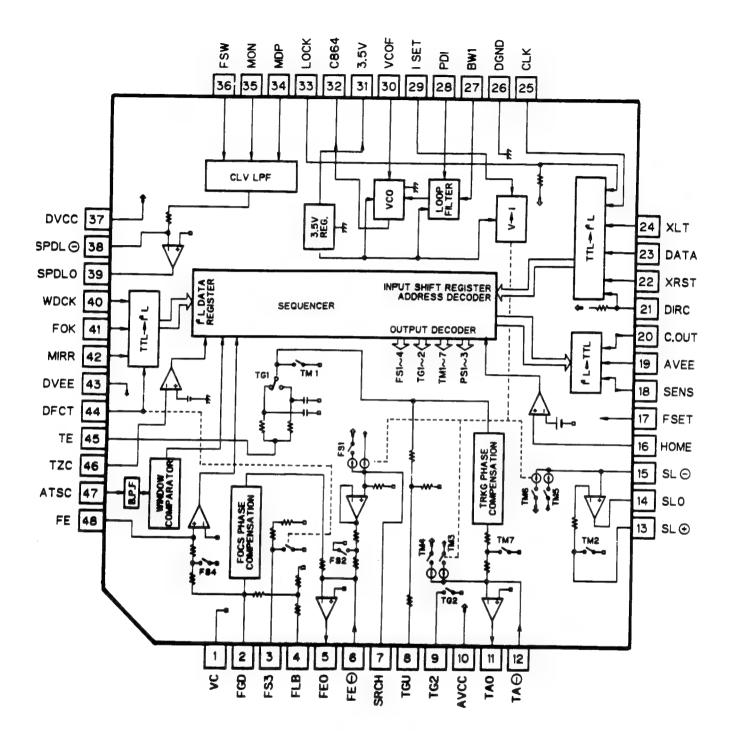
DATA: Audio signal serial data output

IC668, 669: LA6501-FA



IC551: AN7188K



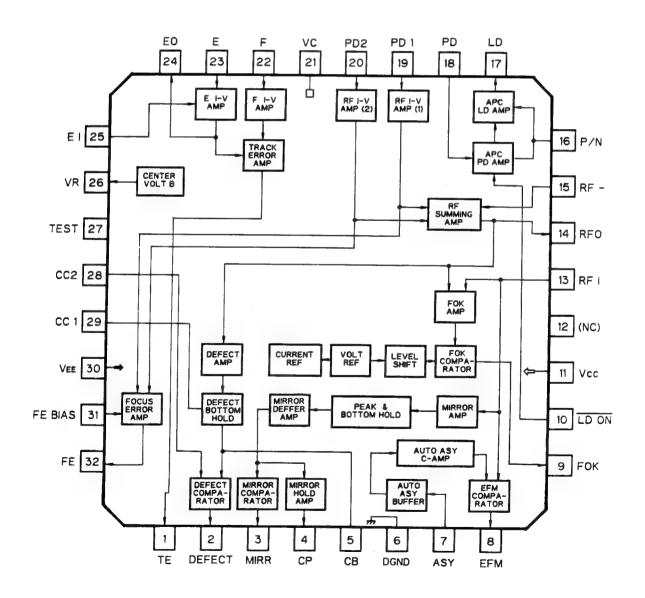


● Pin Functions (CXA1082BQ)

Pin No.	Pin Name	1/0	Function and Operation
1	VC		Servo reference voltage input pin
2	FGD		Connect to pin 3 to switch focus servo OFF when defect occurs
3	FS3		Internal DFCT switch closed when pin 44 is high
4	FLB		Focus servo low region boost external time constant pin
5	FEO	Output	Focus drive output - connect to low-end equalizer
6	FE –	Input	Focus amplifier inverter input pin
7	SRCH		Focus search waveform generation external time constant connector pin
8	TGU	Output	Tracking low-end equalizer connection output pin
9	TG2		Pin 7 discharge switch for starting focus search from lens center
10	AVCC		+ 5V connection
11	TAO	Output	Tracking drive output
12	TA-	Input	Tracking amplifier inverter input pin
13	SL+	Input	Sled amplifier non-inverting input pin
14	SLO	Output	Sled drive output
15	SL-	Input	Sled amplifier inverter input pin
16	номе	Input	Sled home position detector switch input pin
17	FSET		Focus/tracking phase compensation peak and CLV low-pass filter fo setting pin
18	SENS	Output	Output of FZC, AS, TZC, SSTOP, and BUSY depending on command from CPU
19	AVEE		AGND connection
20	COUT	Output	Track counter signal output
21	DIRC		Not used
22	XRST	Input	Reset input pin - reset when "L"
23	DATA	Input	Serial data input from CPU
24	XLT	Input	Latch input from CPU
25	CLK	Input	Serial data transfer clock input from CPU
26	DGND		DGND connection
27	BW1		Loop filter external time constant pin
28	PDI	Input	Input of CXD1135 phase comparator output PDO
29	ISET		Current which determines focus search, track jump, and sled kick height
30	VCOF		VCO free-running frequency more or less inversely
31	3.5V	Output	Proportional to resistance value between pins 30 and 31
32	C864	Output	8.64MHz VCO output pin
33	LOCK		Not used
34	MDP		Connect to MDP pin of CXD1135
35	MON		Connect to MON pin of CXD1135
36	FSW		CLV servo error signal low-pass filter external time constant pin
37	DVCC		+ 5V connection
38	SPDL -	Input	Spindle drive amplifier inverter input pin

Pin No.	Pin Name	1/0	Function and Operation
39	SPDLO	Output	Spindle drive output
40	WDCK	Input	Auto-sequence clock input 176.4kHz
41	FOK	input	FOK signal input pin
42	MIRR	Input	Mirror signal input pin
43	DVEE		DGND connection
44	DFCT	Input	DEFECT signal input pin - defect countermeasure circuit activated when this input is high
45	TE	Input	Tracking error signal input pin
46	TZC	Input	Tracking zero-cross comparator input pin
47	ATSC	Input	Tracking lens offset detector window comparator input pin
48	FE	Input	Focus error signal input pin

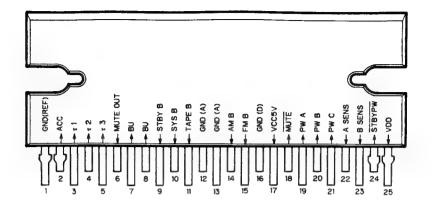
* IC351: CXA1081Q



● Pin Functions (CXA1081Q)

Pin No.	Pin. Name	I/O	Function and Operation
1	TE	Output	Tracking error amplifier output pin
2	DEFECT	Output	DEFECT comparator output pin
3	MIRR	Output	MIRR comparator output pin
4	CP	Input	MIRR hold capacitor connector pin - MIRR comparator non-inverting input pin
5	СВ	Input	DEFECT bottom hold capacitor connector pin
6	DGND		Ground connection
7	ASY	Input	Auto asymmetry control input pin
8	EFM	Output	EFM comparator output pin
9	FOK	Output	Focus OK comparator output pin
10	LDON	Input	Laser diode ON/OFF switching
11	VCC		Positive power supply pin
12	NC		
13	RFI	Input	Input of capacitance-coupled RF summing amplifier output
14	RFO	Output	RF summing amplifier output pin - eye pattern check point
15	RF -	Input	RF summing amplifier feedback input pin
16	P/N	Input	Laser diode P-sub/N-sub selector pin
17	LD	Output	APC LD amplifier output pin
18	PD	Input	APC PD amplifier input pin
19	PD1	Input	RF I-V amplifier (1) inverter input pin - connected to photodiode A + C pin for current input
20	PD2	Input	RF I-V amplifier (2) inverter input pin - connected to photodiode B + D pin for current input
21	VC		Connected to VR
22	F	Input	I-V amplifier inverter input pin - connected to photodiode for current input
23	E	Input	I-V amplifier inverter input pin - connected to photodiode for current input
24	EO	Output	E I-V amplifier output pin
25	EI	Input	E I-V amplifier feedback input for E I-V amplifier gain adjustment
26	VR	Ouput	(V _{CC} + V _{EE})/2 DC voltage output pin
27	TEST		Open
28	CC2	Input	Input of capacitance-coupled DEFECT bottom hold output
29	CC1	Output	DEFECT bottom hold output pin
30	VEE		Ground connection
31	FE BIAS	Input	Focus error amplifier non-inverting bias pin Used in focus error amplifier CMR adjustment
32	FE	Output	Focus error amplifier output pin

IC961: PA2018



• Pin Functions (PA2018)

Pin No.	Pin Name	1/0	Function and Operation
1	GND		GND (ref) Reference GND
2	ACC	Input	Connected to accessory power supply of a car
3	71	Input	Connected with external capacity for VDD backup
4	72	Input	Connected with external capacity and used for setting of the operation time of the overcurrent protective function
5	τ3	Input	Connected with external capacity and used for setting of the delay time of MUTE OUT
6	MUTEOUT	Output	MUTE circuit control output
7	BU	Input	Connected to car backup power supply
8	BU	Input	Connected to car backup power supply
9	STBYB	Output	Power amplifier control signal output
10	SYSB	Output	Stabilized power output for circuits (sound quality, sound volume, balance, etc.) common to the system
11	TAPEB	Output	Stabilized power output for cassette deck circuit (equalizer amplifier, etc.)
12	GND(A)		Analog GND
13	GND(A)		Analog GND
14	AMB	Output	Stabilized power output for AM tuner circuit
15	FMB	Output	Stabilized power output for FM tuner circuit
16	GND(D)	Output	Digital GND
17	VCC5V	Output	Stabilized power output used for microcomputer interface circuit
18	MUTE	Input	MUTE control input from the outside (MUTE OUT at H for input of L)
19	PWA	Input	
20	PWB	Input	Input for output selection, which controls the output with three bit signals of PWA, PWB, and PWC
21	PWC	Input	
22	ASENS	Output	ACC line voltage detection output (H for voltage detection)
23	BSENS	Output	BU line voltage detection output (H for voltage detection)
24	STBYPW	Output	Terminal for internal circuit which is connected with external capacity
25	VDD	Output	Stabilized power output for microcomputer, with backup and overcurrent protection functions

DECODER LOGIC (PA2018)

	INPUT			OUTPUT		
Pin 19 PWA	Pin 20 PWB	Pin 21 PWC	Pin 10 SYSB	Pin 11 TAPEB	Pin 15 FMB	Pin 14 AMB
L	L	L	OFF	OFF	OFF	OFF
L	L	Н	ON	OFF	OFF	ON
L	Н	L	ON	OFF	ON	OFF
L	Н	Н	ON	OFF	OFF	OFF
Н	L	L	ON	ON	OFF	OFF
Н	L	Н	ON	ON	OFF	ON
Н	Н	L	ON	ON	ON	OFF
Н	Н	Н	ON	ON	ON	ON

• Detection of voltage

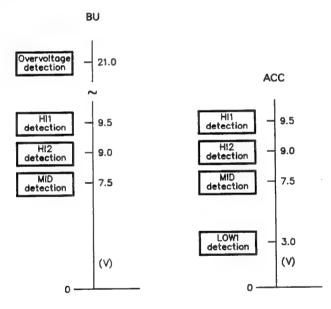


Fig. 43

HI1 detection 1. MUTE operation stop control

HI2 detection

- 1. MUTE operation start control
- 2. Audio system power output start control

MID detection

- Control of operation of microcomputer and control systems
- 2. Audio system power output stop control

LOW1 detection

- 1. MUTE operation control
- 2. Control of low current consumption mode

Overvoltage detection

1. Control of outputs other than VDD

Output from power IC (PA2018) to microcomputer svstem

1) VDD: Normally output according to the voltage of τ 1

Output when BU is above the MID detection 2) VCC: voltage and ACC is above the MID detection

voltage.

<VCC output requirements>

BU ≥ MID detection ACC≥ MID detection

3) A sens: Houtput when BU is above the MID detection voltage and ACC is above the MID detection

voltage.

Loutput when above requirements are not met <A sens H-output requirements>

BU≥MID detection ACC ≥ MID detection

4) B Sens: Houtput when BU is above the MID detection voltage

> L output when the above requirement is not met

<B sens H-output requirement>

BU≥MID detection

Output from power IC (PA2018)

1) SYSB, TAPEB, FMB, AMB:

Hysteresis operation (See the figure below) ON with HI2 detection voltage and OFF with MID detection voltage

ON: When BU is above the HI2 detection voltage and ACC is above the HI2 detection voltage and when any one of inputs (A, B, and C) for output selection is H

<ON requirements>

BU≥HI2 detection ACC≥HI2 detection A or B or C=H

OFF: When BU is less than the MID detection voltage or ACC is less than the MID detection voltage or when all of inputs (A, B, and C) for output selection are L

<OFF requirements>

BU < MID detection ACC < MID detection A and B and C=L

For the output state of inputs (A, B, and C) for output selection, refer to the attached material 1. Decoder Logic.

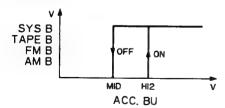


Fig. 44

- 2) STBY B: Output in synchronization with SYSB
- 3) MUTE OUT

Normal operation (See the figure below)

Hysteresis operation

ON with HI2 detection voltage and OFF with HI1 detection voltage

ON: 1) When BU is less than the HI2 detection voltage and ACC is above the LOW1 detection voltage

when ACC is less than the HI2 detection voltage

and

ACC is above the LOW1 detection voltage <ON requirements>

BU<HI2 detection ACC ≥ LOW 1 detection ACC<HI2 detection ACC ≥ LOW1 detection

- When MUTE input is L
- OFF: 1 When BU is above the HI1 detection voltage and ACC is above HI1 detection voltage
 - 2 When ACC is less than the LOW1 detection voltage

<OFF requirements>

BU≥HI1 detection ACC ≥ HI1 detection ACC < LOW1 detection

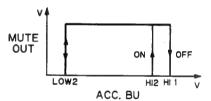


Fig. 45

Delay operation (See the figure below)

The time period during which either BU or ACC remains below the MID detection voltage is represented by "T". Two time periods determined from the external capacity of $\tau 3$ terminal are respectively represented by T3A and T3B.

- T≥T3B
 Delay MUTE OUT ON for a period from rise of BU and ACC above the MID detection voltage up to the end of T3A
- ② T<T3B MUTE OUT not performing delay MUTE OUT up to the end of T3A in (1).

Operation time with the external capacity (condenser) connected to $\tau 3$:

T3A: about 30ms at 0.1μ

T3B: about 30ms at 0.1μ (T3A =T3B)

* When L is input to the MUTE terminal, with MUTE OUT OFF and BU and ACC between HI1 and HI2 detection voltages, MUTE OUT is turned ON. When the MUTE terminal changes from L to H in this state, MUTE OUT remains ON. This ON state is canceled and MUTE OUT is turned OFF when BU and ACC rise above the HI1 detection voltage.

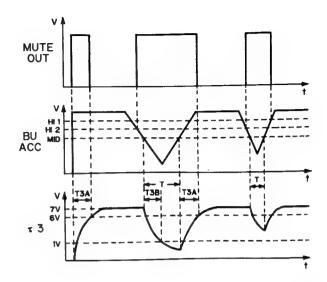
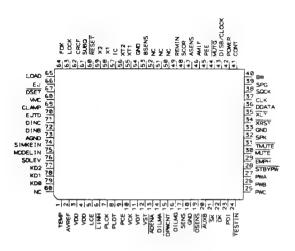


Fig. 46

IC's marked by * are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.



• Pin Functions (PD4231)

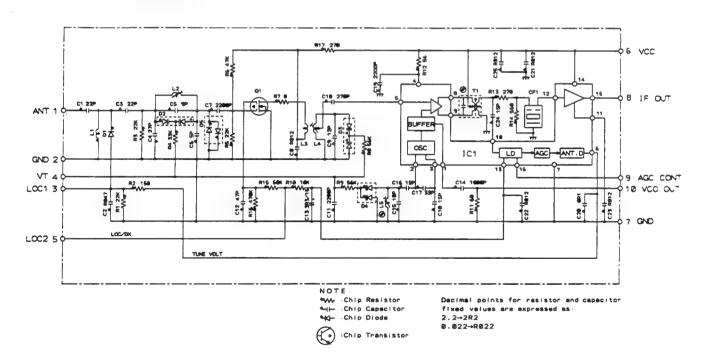
Pin No.	Pin Name	1/0	Output Format	Function and Operation	Stanby	Reset
1	TEMP	Input		High-temperature stop detection/stop input L: HOT state		
2	AVREF	Input		A/D converter reference voltage H: A/D converter enable		
3	VDD			VDD		
4	VDD			VDD		
5	LCE	Output	С	IC901 (LC7582A) chip enable	L	HiZ
6	LINH	Output	С	IC901 (LC7582A) inhibit output	L	HiZ
7	PLCK	Output	С	PLL (IC501), LCD (IC901) common clock output	L	HiZ
8	PLDT	Output	С	PLL (IC501), LCD (IC901) common data output	L	HiZ
9	PCE	Output	С	IC501 (LC7218M) chip enable	L	HiZ
10	VCK	Output	С	IC901 (LC7582A) clock output	L	HiZ
11	VDT	Output	С	IC901 (LC7582A) data output	L	HiZ
12	VST	Output	С	IC901 (LC7582A) strobe output	L	HiZ
13	ADENA	Output	С	AVREF control output H: Standby	Н	HiZ
14	DILMA	Output	С	Dual illumination amber output H: Amber lamp ON	Keep	HiZ
15	DPWCNT	Output	С	Grill power control output H: Standby/detach	Н	HiZ
16	DILMG	Output	С	Dual illumination green output H: Green lamp ON	Keep	HiZ
17	SENS	Input		CD servo, Internal state monitor input for signal processing LSI		
18	GND			GND		
19	DSENS	Input		Detach sense input	HiZ	HiZ
20	AUXB	Input		AUX input	HiZ	HiZ
21	SK	Input		SK signal input L: SK input provided	HiZ	HiZ
22	DK	Input		DK signal input L: DK input provided	HiZ	HiZ
23	PDI	Input		IC501 (LC7218M) data input	HiZ	HiZ
24	TESTIN	Input		Test mode input H: Normal	HiŻ	HiZ
25	PWC	Output	С	Power IC (C961) power selection C output	L	HiZ
26	PWB	Output	С	Power IC (IC961) power selection B output		
27	PWA	Output	С	Power IC (IC961) power selection A output		

Pin No.	Pin Name	I/O	Output Format	Function and Operation	Stanby	Reset
28	STBYPW	Output	С	Power IC (IC961) standby control output	L	HiZ
29	EMPH	Output	N _M	Emphasis selection output H: Emphasis ON	Н	HiZ
30	MUTE	Output	N _M	Line mute output	RUP-H	HiZ
31	TMUTE	Output	N _M	iner mute output		HiZ
32	SPK	Output	N _M	pindle kick control output H: Kicking, braking		HiZ
33	GND			GND		
34	XRST	Output	N _M	IC701 (CXD1167Q) reset output L: Reset	L	HiZ
35	XLT	Output	N _M	IC701 (CXD1167Q) serial data latch output	L	HiZ
36	DDATA	Output	N _M	IC701 (CXD1167Q) Serial data output	L	HiZ
37	CLK	Output	N _M	IC701 (CXD1167Q) Serial clock output	L	HiZ
38	SQCK	Output	N _M	Sub-code clock output	L	HiZ
39	SPG	Output	С	Spindle gain selection output L: 8cm, H: 12cm	L	HiZ
40	BW	Output	С	Spindle band selection output L: Searching H: Normal	н	HiZ
41	CONT	Output	С	PWM driver ON/OFF output H: ON	L	HiZ
42	POWER	Output	С	CD+5V output H: CD power ON	L	HiZ
43	DISB/CLOCK	Output	С	AUX control output /for clock adjustment H: AUX inhibit	L	HiZ
44	MUTG	Output	С	IC701 (CXD1167Q) mute control output L: Mute ON	L	HiZ
45	PEE	Output	С	Key touch peep sound output	L	HiZ
46	AMIF	Input		AMIF count input		
47	ASENS	Input		ACC detection input L: ACC down	HiZ	HiZ
48	SCOR	Input		Sub-code sink input	HiZ	HiZ
49	REMIN	Input		Wireless remote control pulse input	HiZ	HiZ
50~52	NC					
53	BSENS	Input		BACK UP detection input L: BACK-UP DOWN	HiZ	HiZ
54	GND			GND		
55	XTI	Input		Blank, connected to GND		
56	XT2	Output		Blank		
57	IC			Connected to GND		
58	X1	input		Oscillator input		
59	X2	Output		Oscillator output		
60	RESET			Reset		
61	SUBQ	Input		Sub-code data input	HiZ	HiZ
62	CRCF	Input		CR check input	HiZ	HiZ
63	LOCK	Input		Spindle lock detection input H: Lock	HiZ	HiZ
64	FOK	Input		Focus OK detection input	HiZ	HiZ
65	LOAD	Output	N _M	Loading motor control output	L	HiZ
66	EJ	Output	N _M	Loading motor driver control output H: Eject	L.	HiZ
67	DSET	Output	N _M	Output for disk set LED	RUP-H	HiZ
68	VMC	Output	t N _M	Loading motor driver power control output	L	HiZ
69	CLAMP	Input		Disk clamp end detection input L: Clamp over	HiZ	HiZ
70	EJTD	Input	1	Disk ejection end detection input L: Eject over	HiZ	HiZ
71	DINO	Input		Disk ejection detection C input	HiZ	HiZ

Pin No.	Pin Name	1/0	Output Format	Function and Operation	Stanby	Reset
72	DINB	Input		Disk ejection detection B input	HiZ	HiZ
73	AGND			A/D converter GND		
74	SIMKEIN	Input		Tuner destination selection input		
75	MODELIN	Input		Model selection input		
76	SDLEV	Input		SD signal level input H: Strong level broadcast station		
77	KD2	Input		Key return input		
78	KD1	Input		Key return input		
79	KD0	input		Key return input		
80	NC					

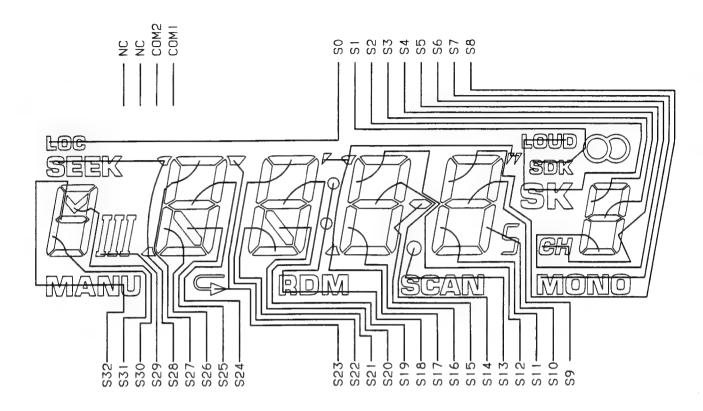
Symbol	Meaning
С	C-MOS
N _m	Neutral resistivity N channel open drain
Hiz	High impedance
RUP-H	With pull-up resistor

• FM Front End (CWB 1035)



• LCD (CAW1074)

SEGMENT



COMMON

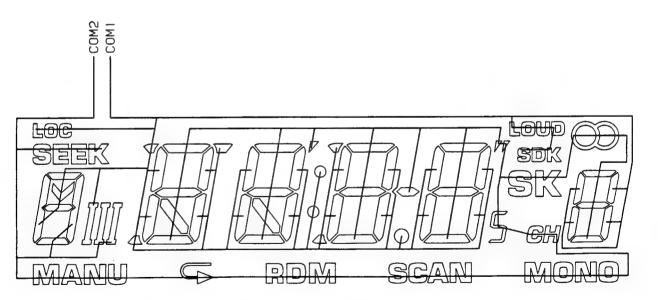
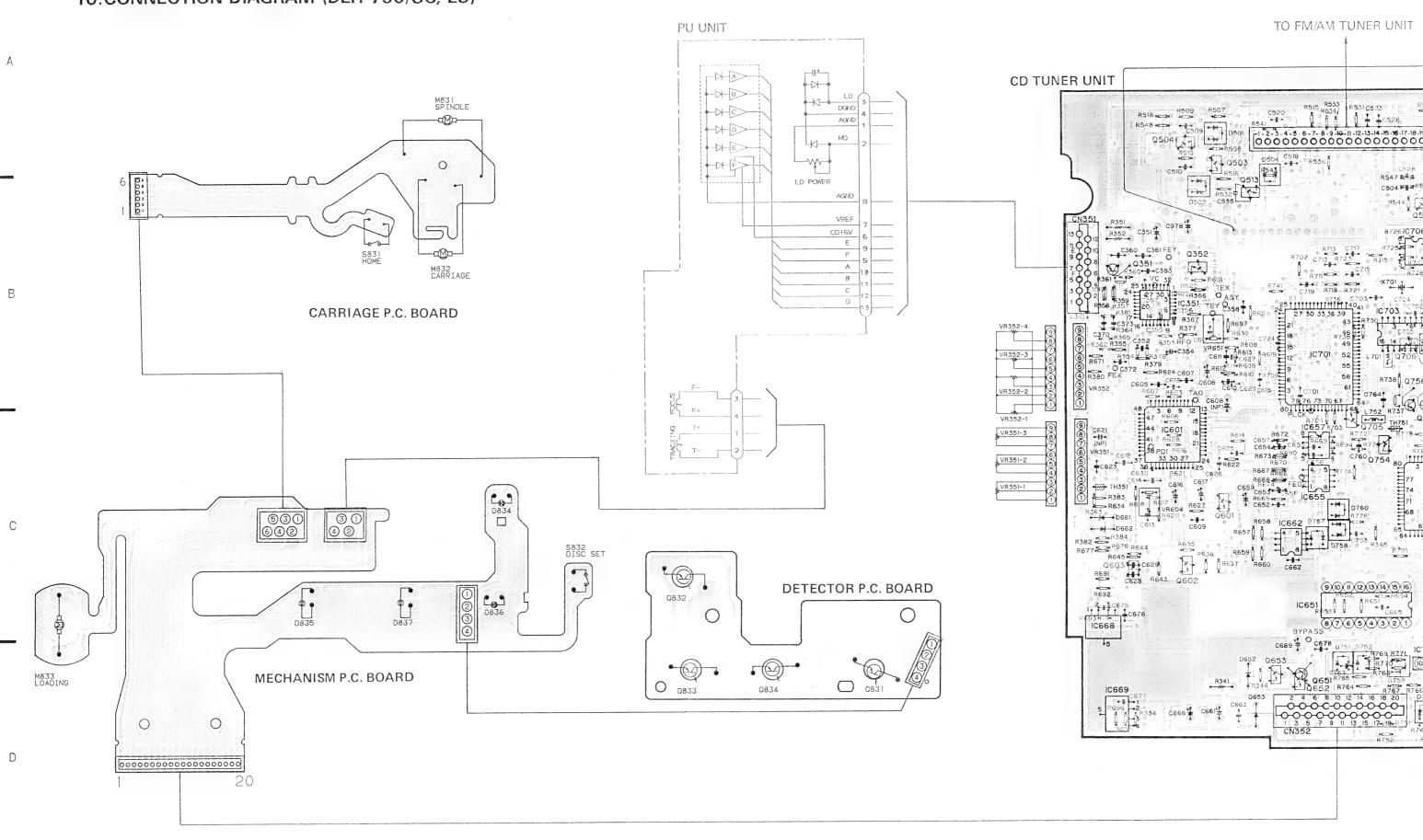
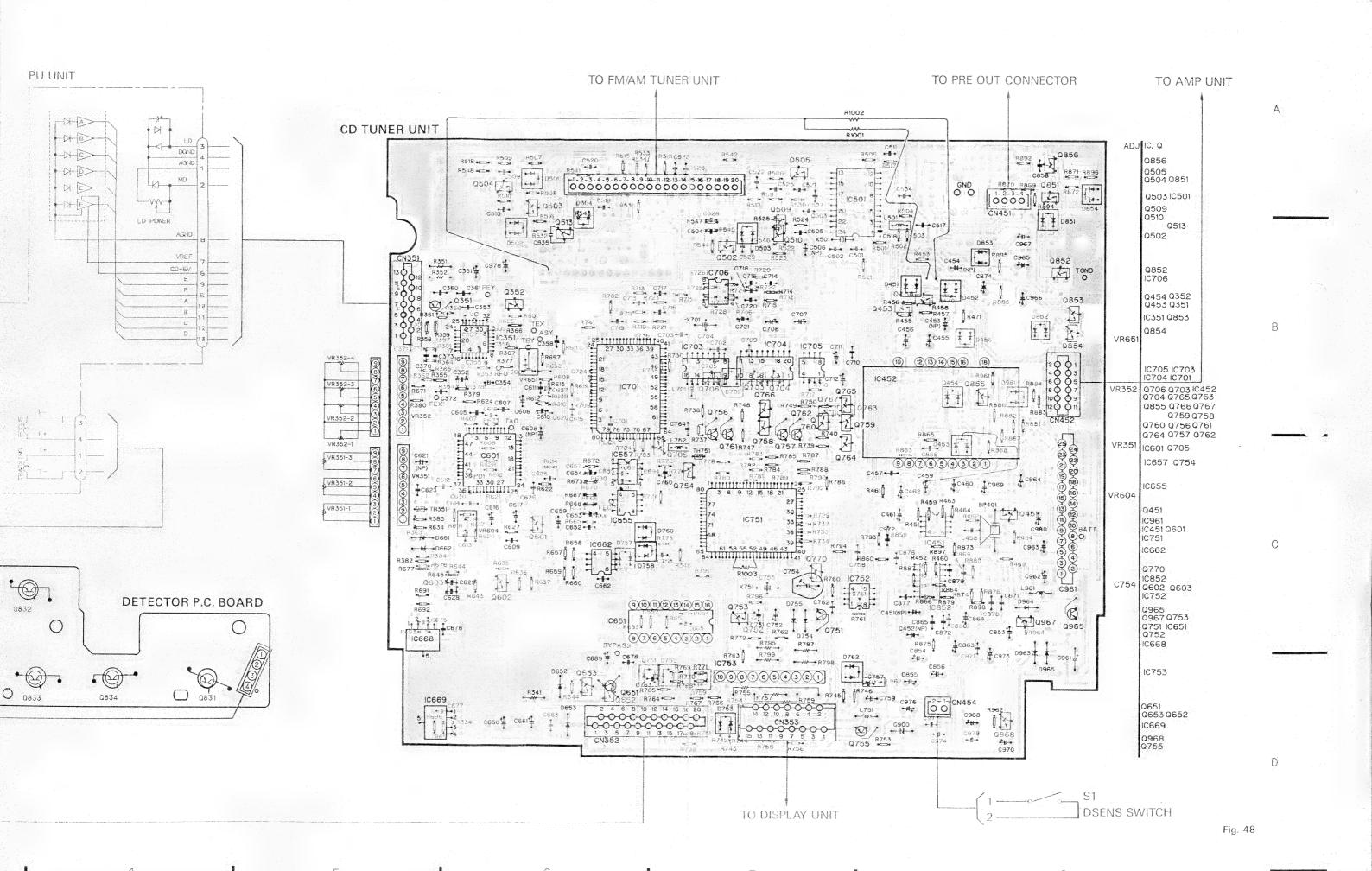
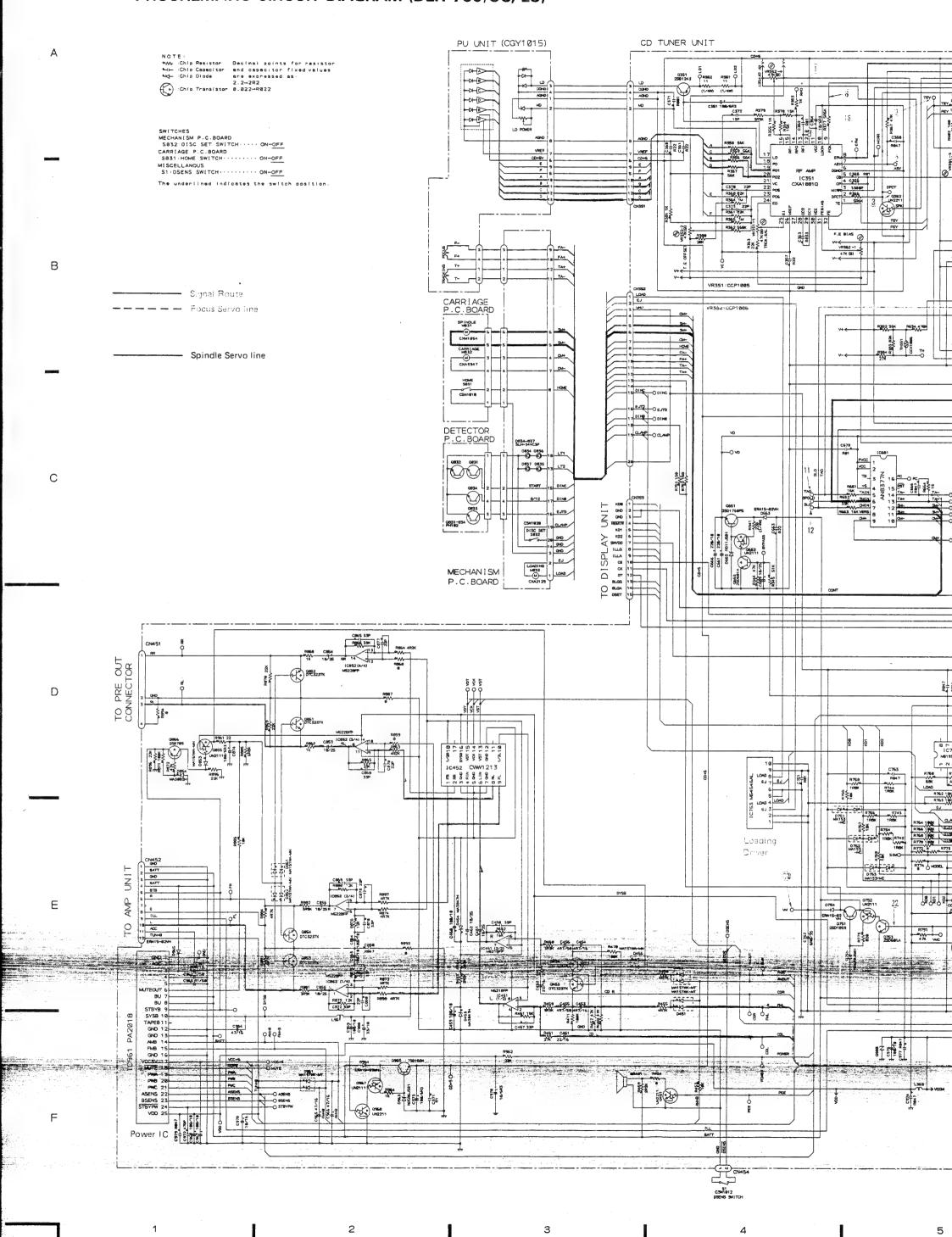


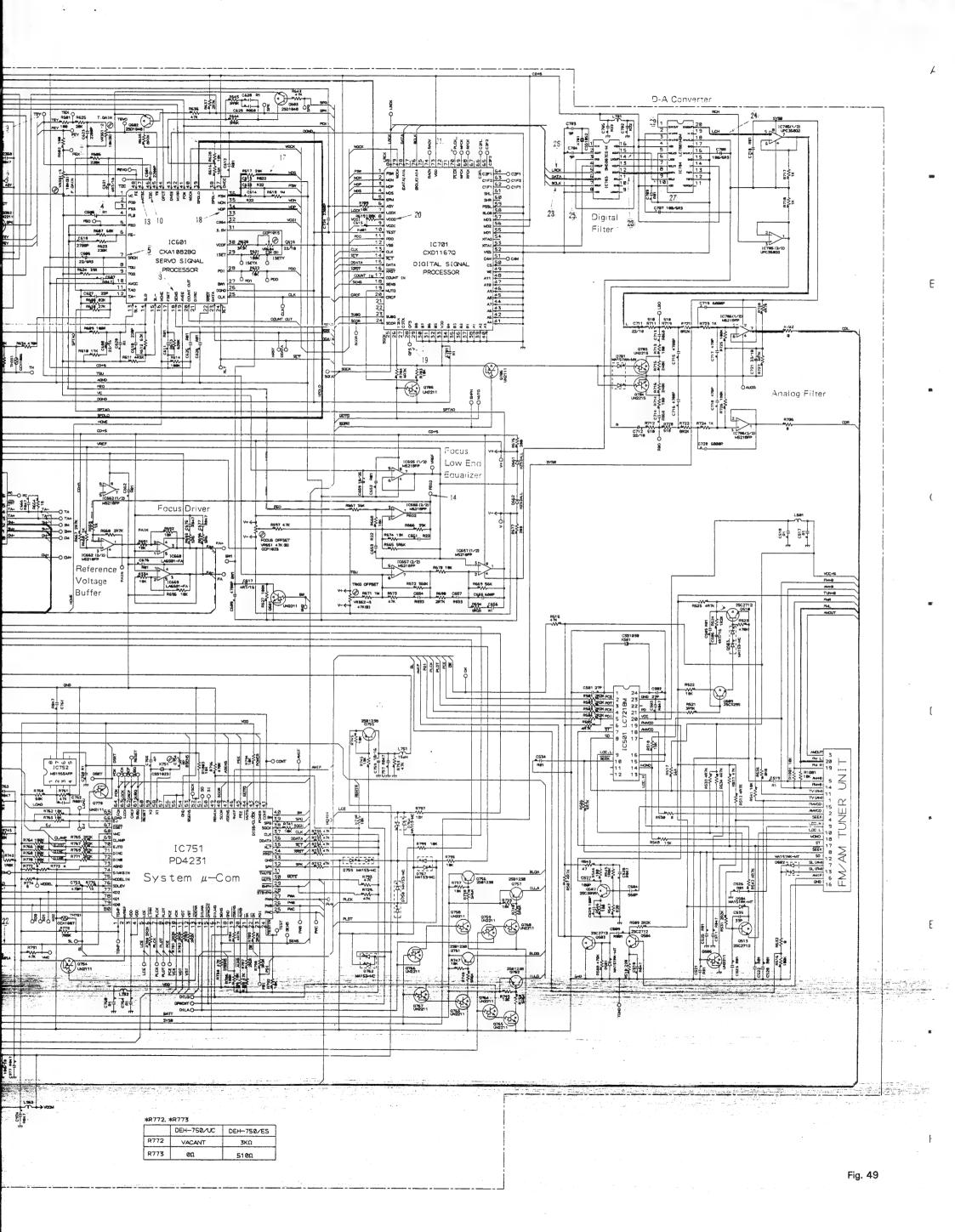
Fig. 47











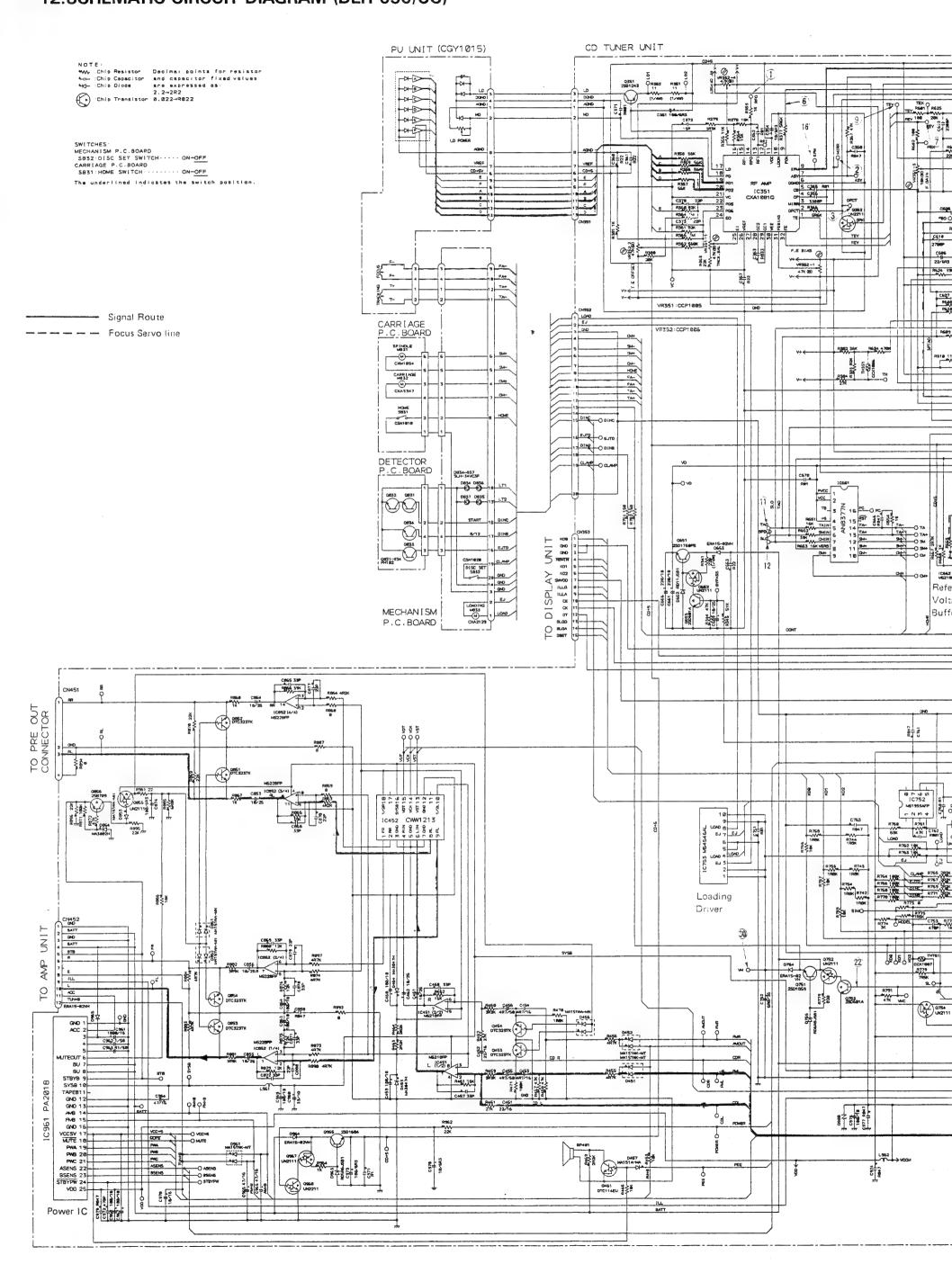
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12.SCHEMATIC CIRCUIT DIAGRAM (DEH-650/UC)



68

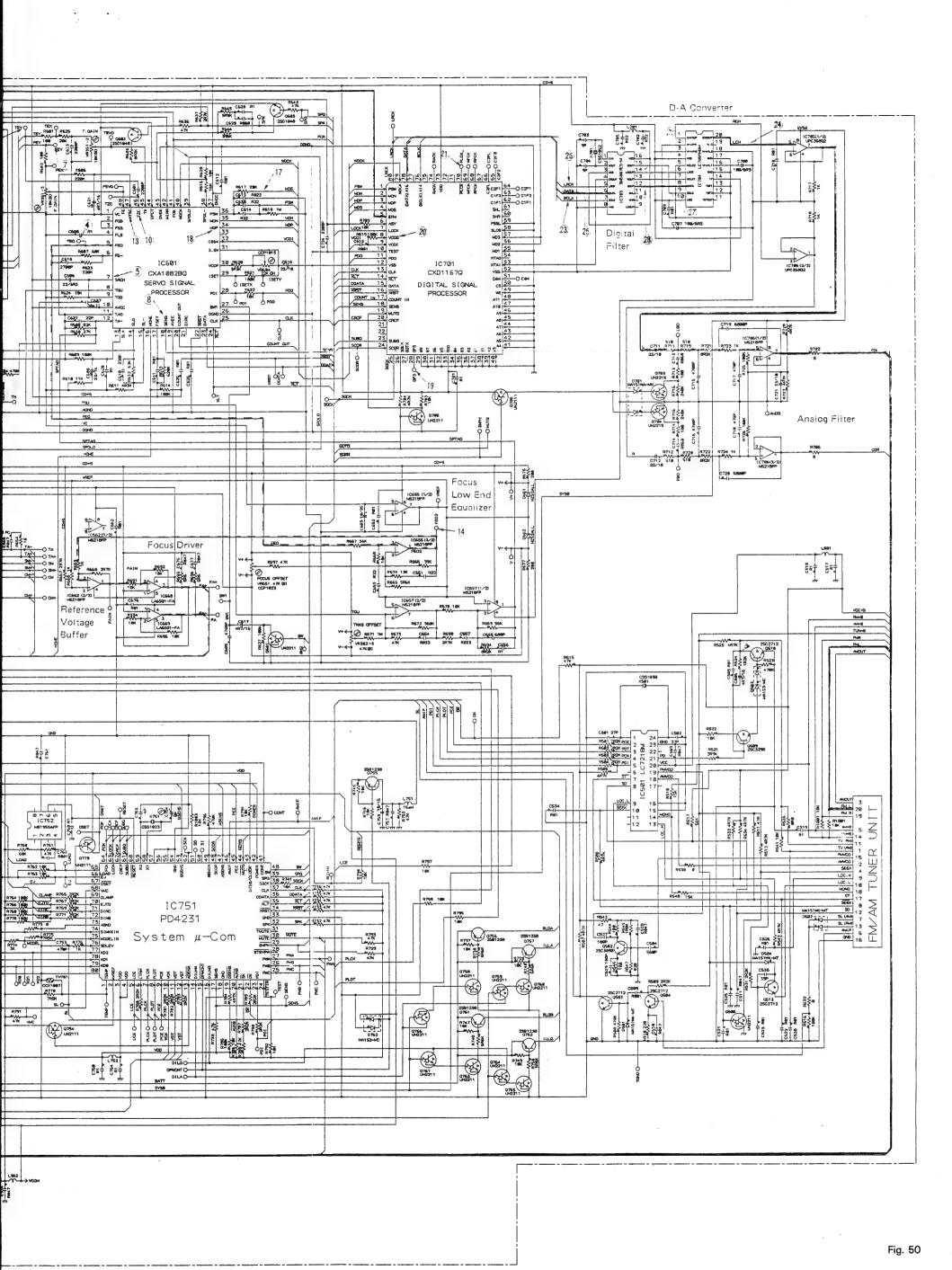
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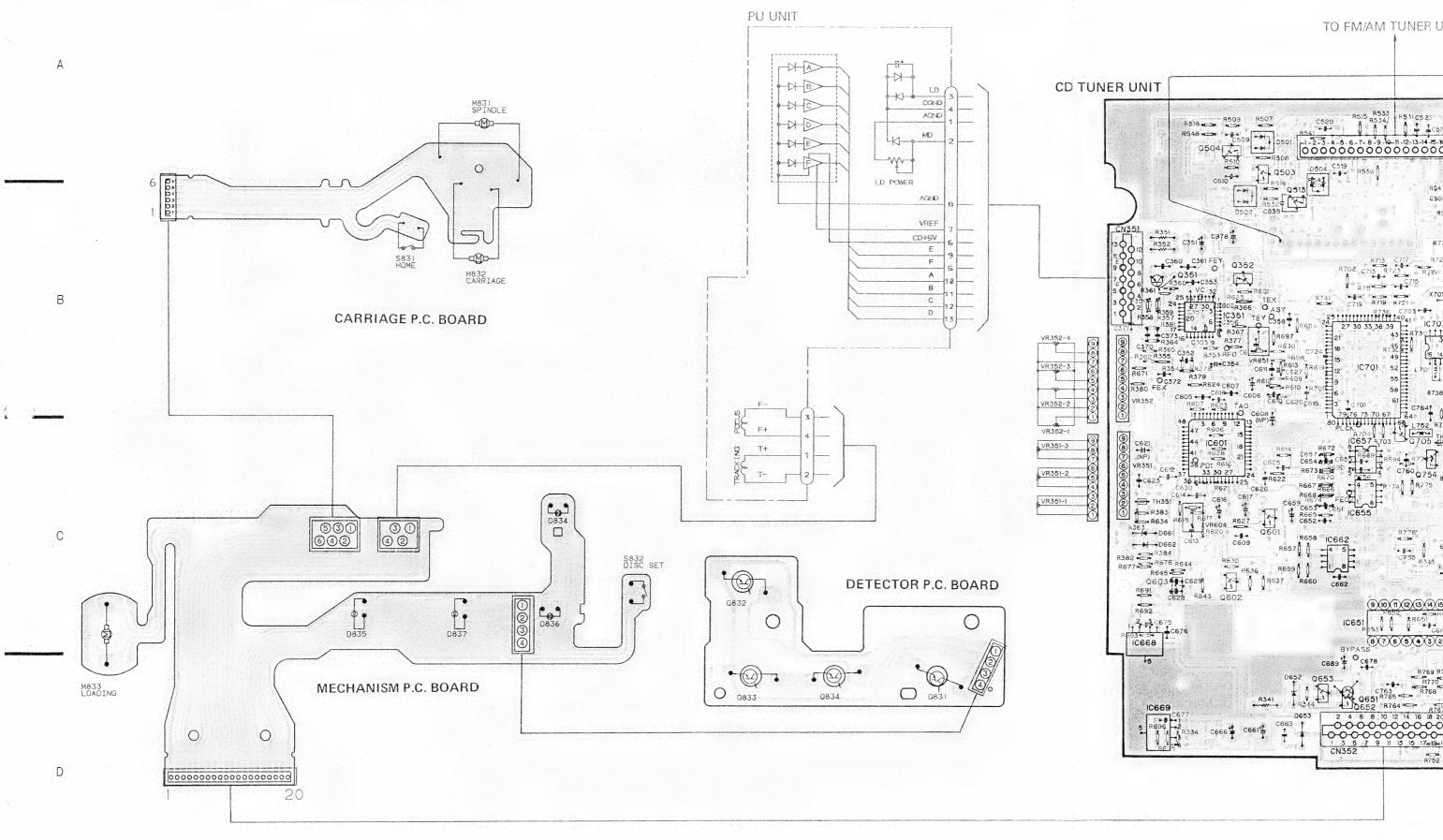
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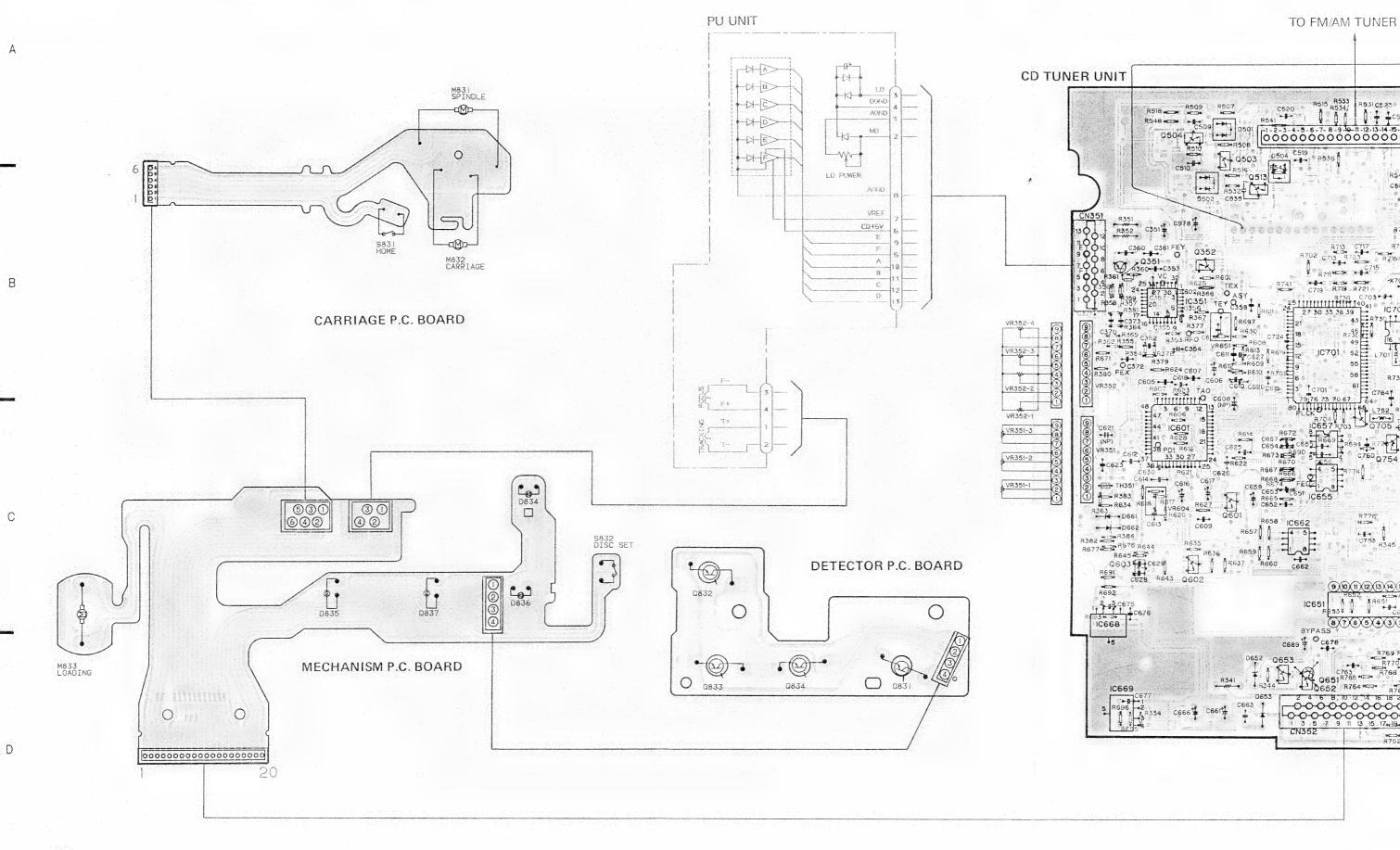
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IC852 DETECTOR P.C. BOARD Q602 Q603 IC752 0832 Q965 Q967 Q753 Q967 Q965 Q751 IC651 Q752 IC668 IC753 Q831 0833 0653 0652 IC669 Q968 Q755 TO DISPLAY UNIT

Fig. 51

14. CONNECTION DIAGRAM (DEH-620/US)



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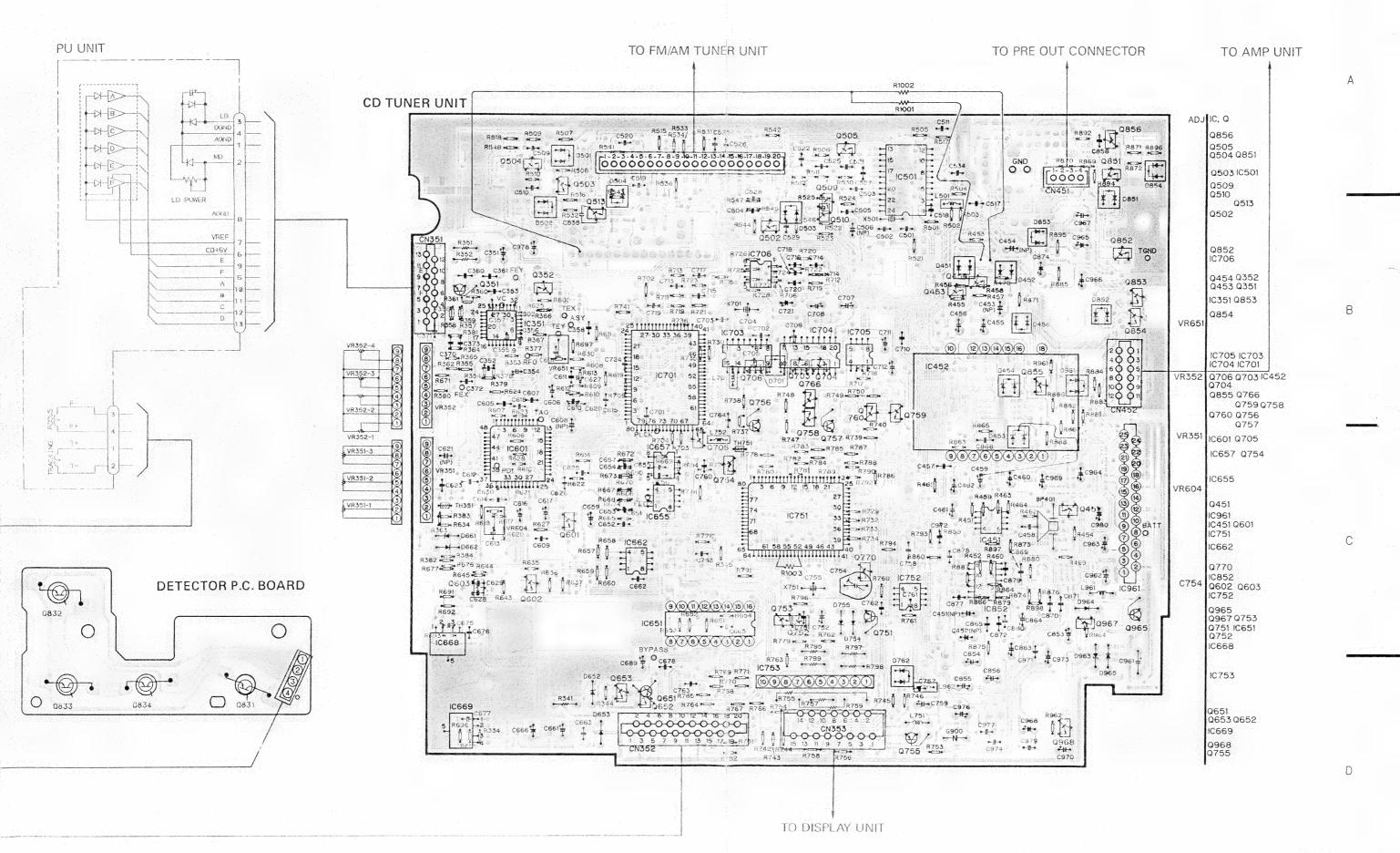
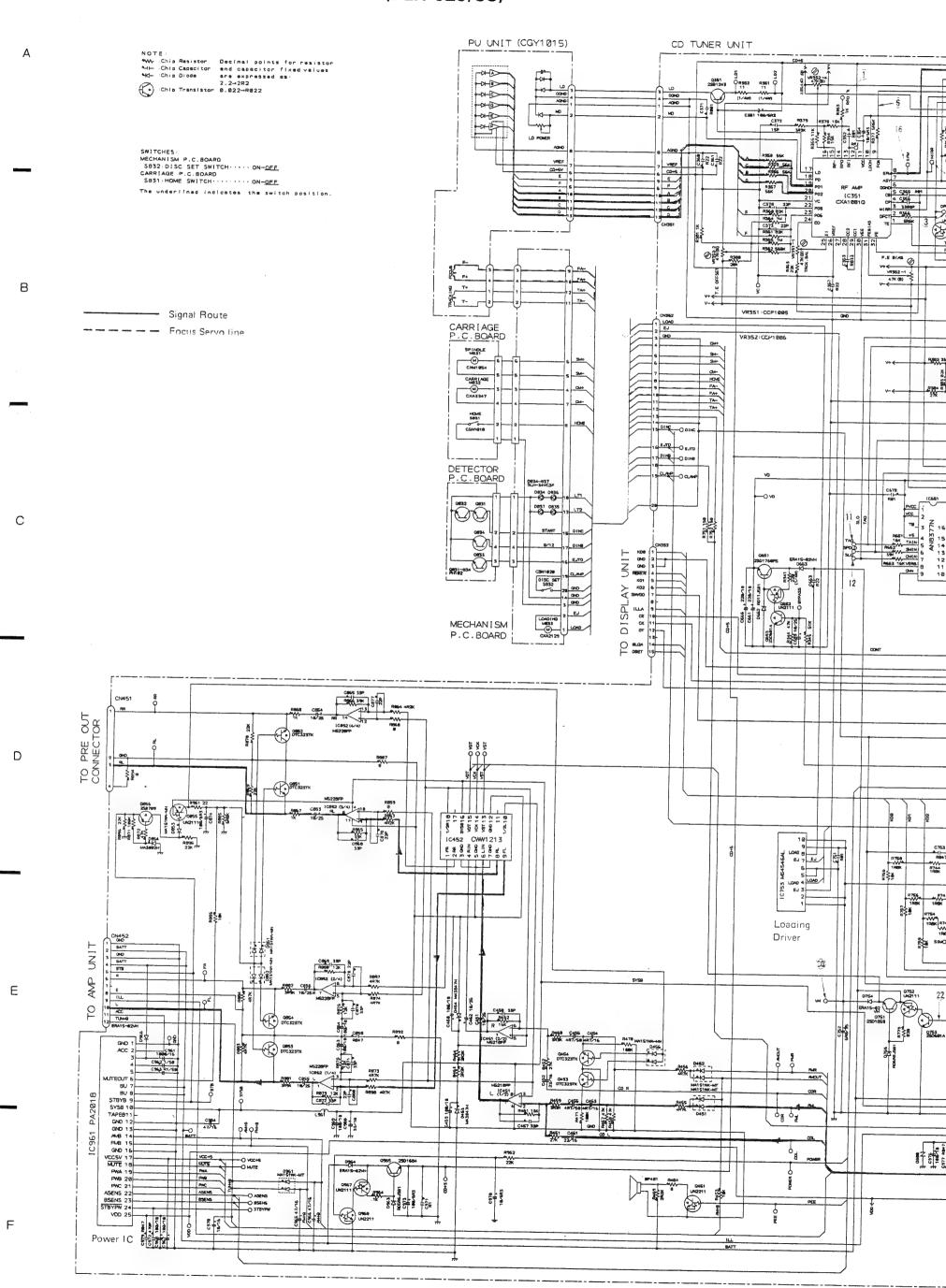
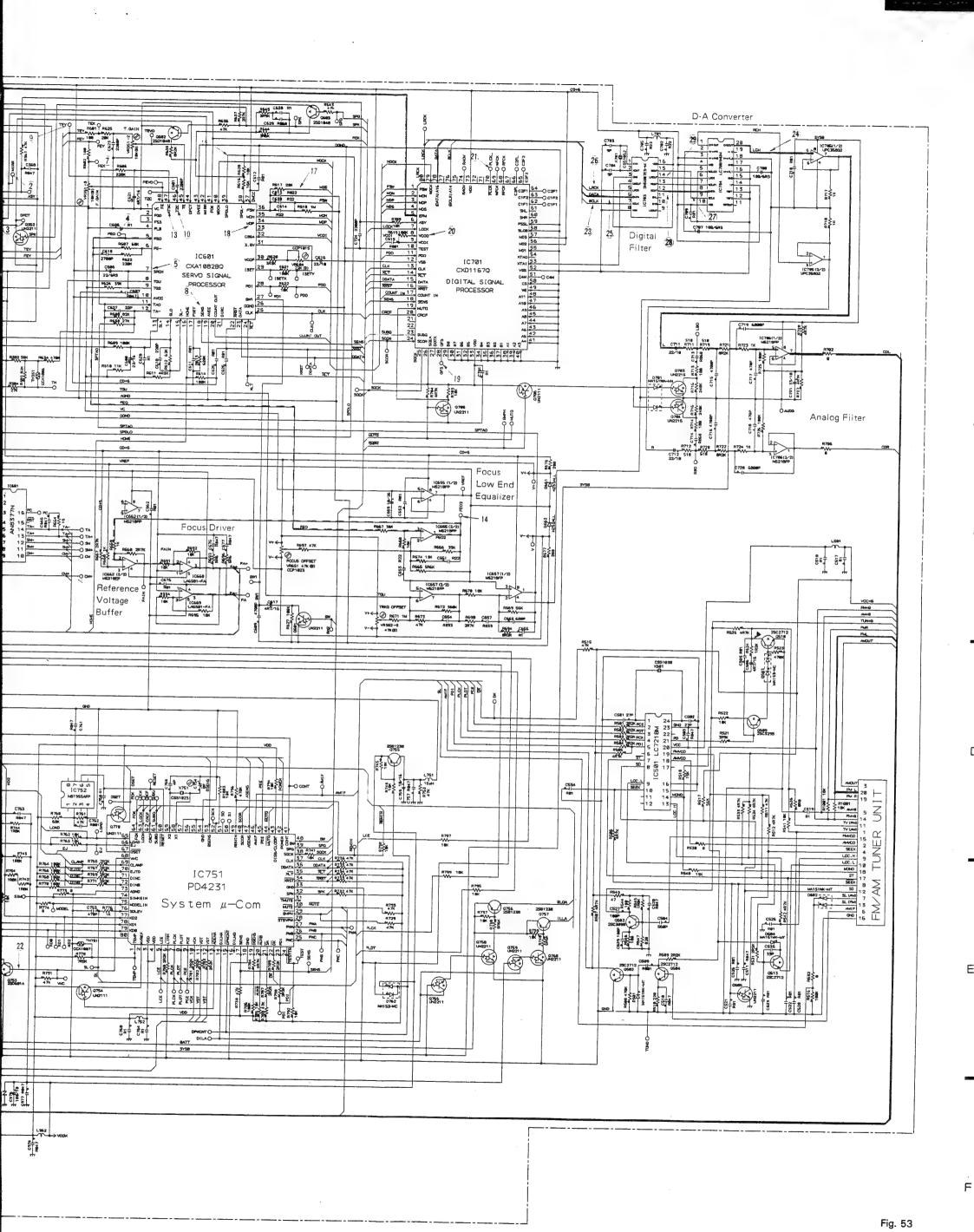


Fig. 52

15.SHCEMATIC CIRCUIT DIAGRAM (DEH-620/US)





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В

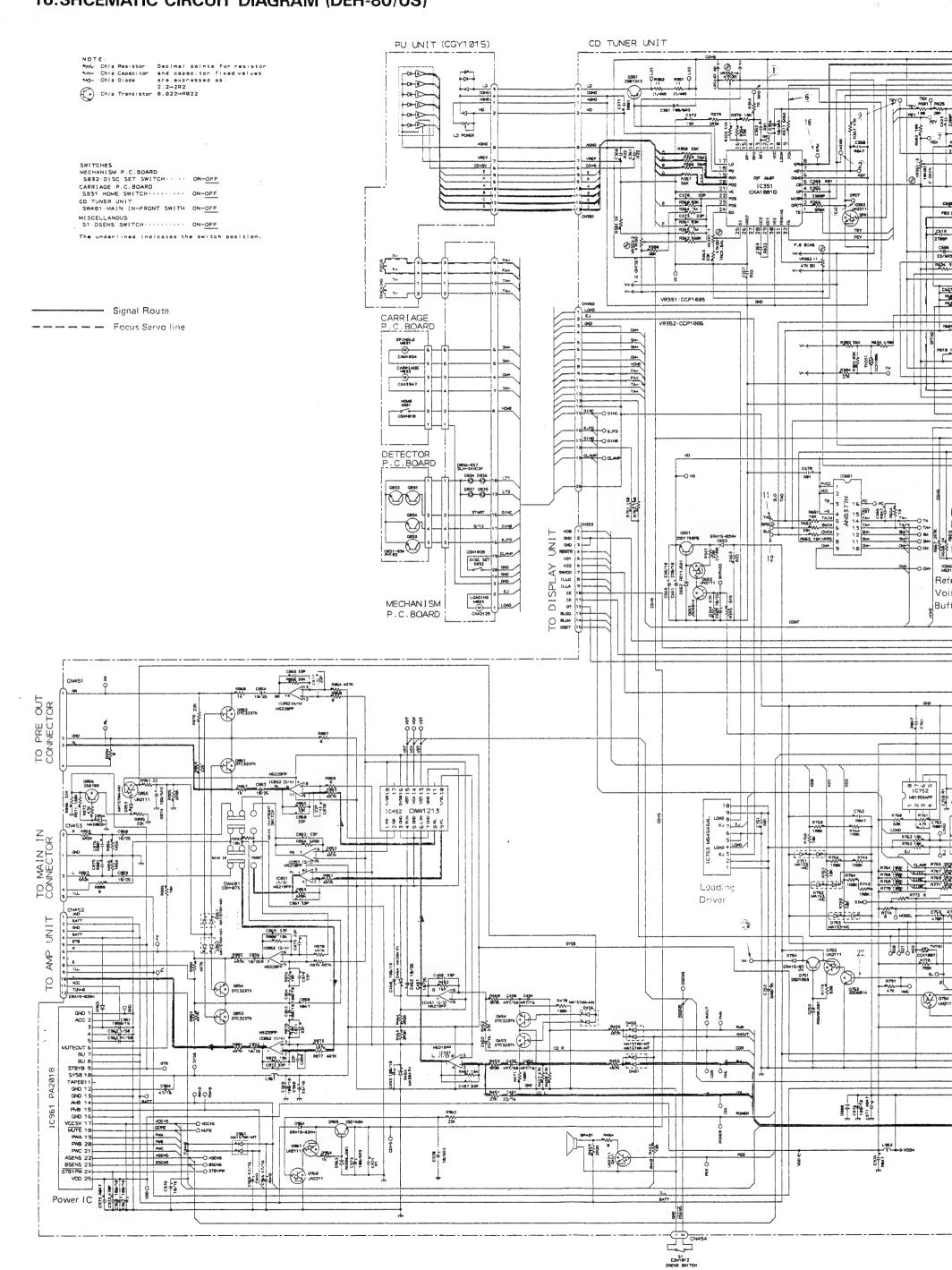
С

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3

16.SHCEMATIC CIRCUIT DIAGRAM (DEH-80/US)



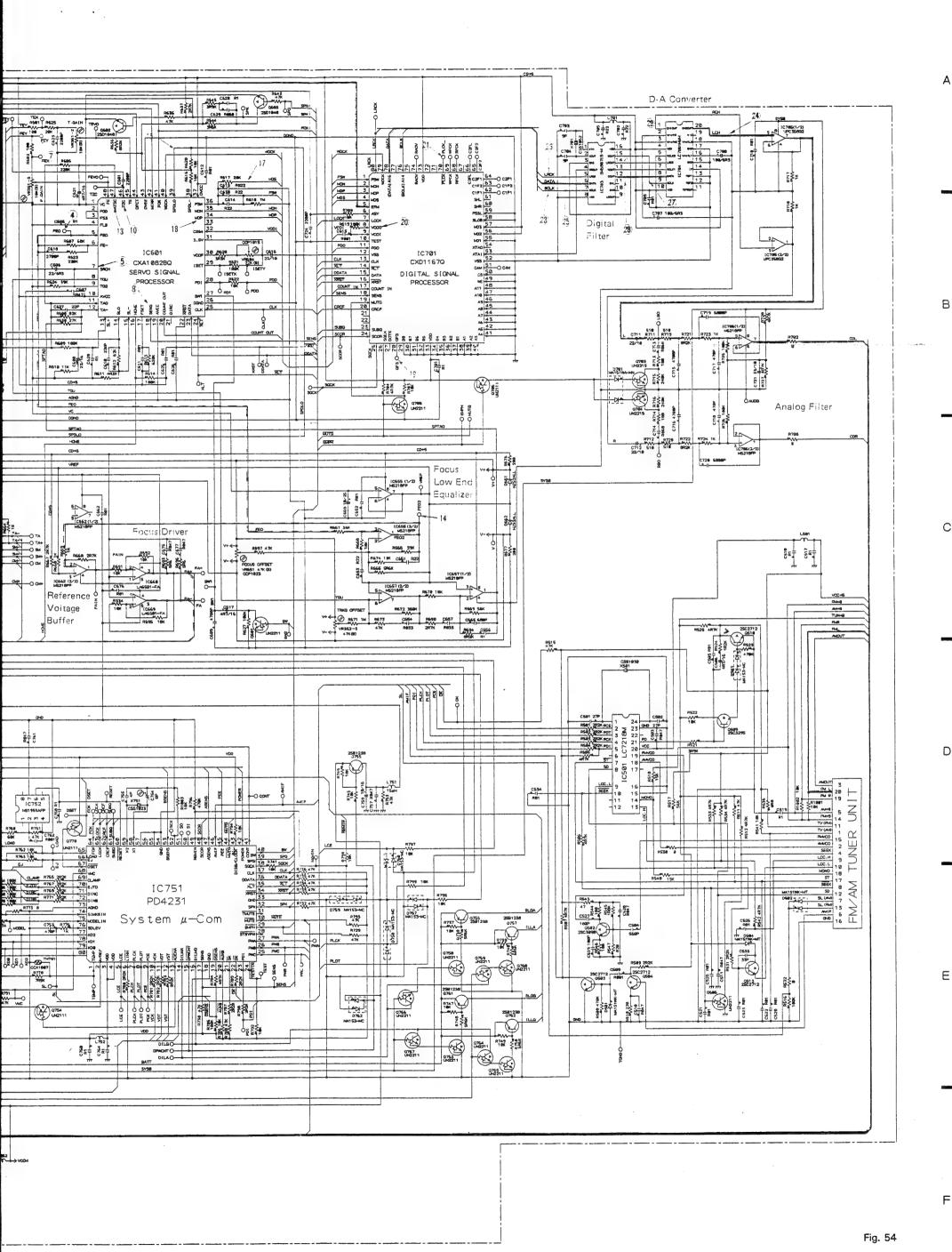
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1

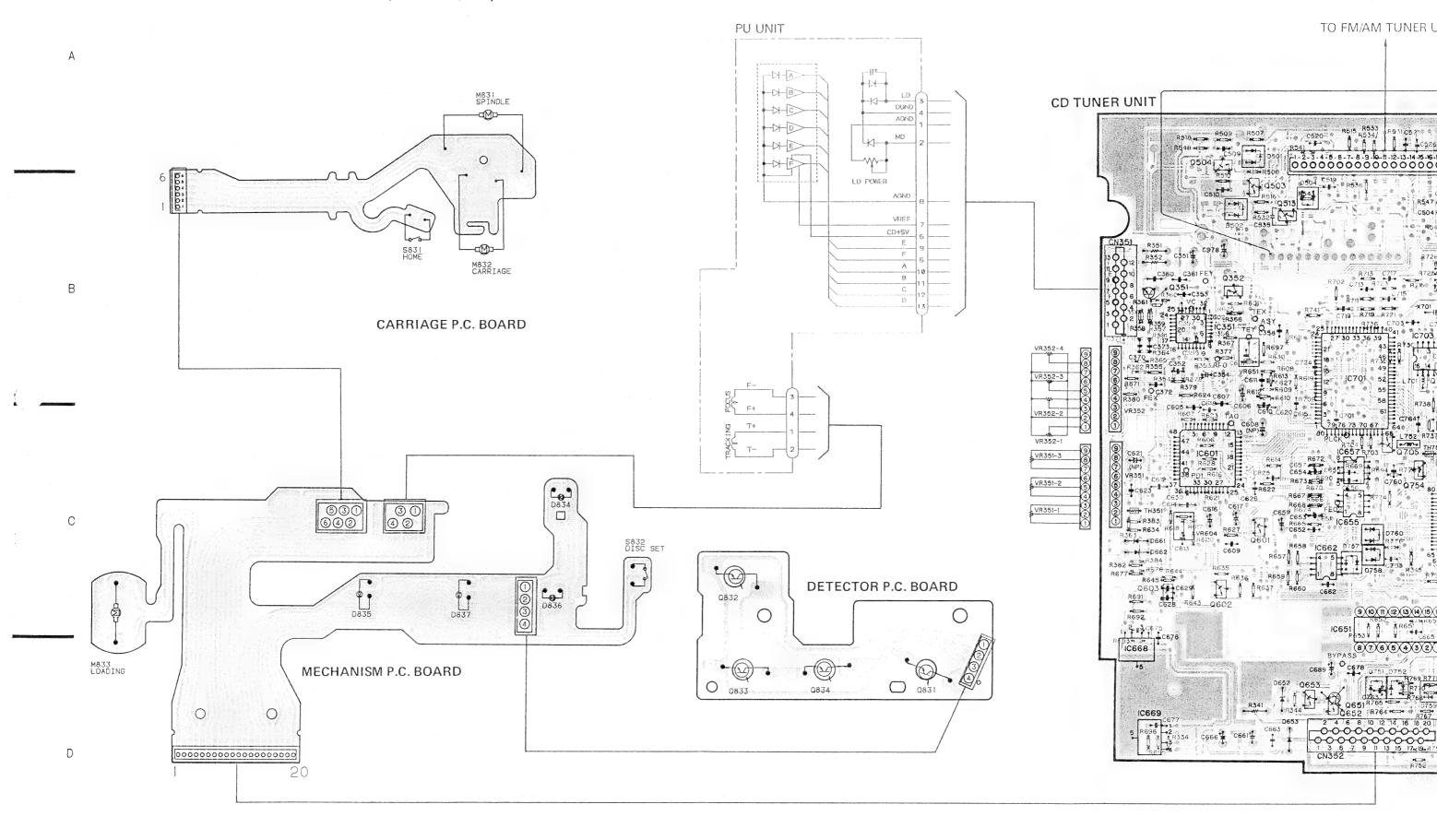
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2

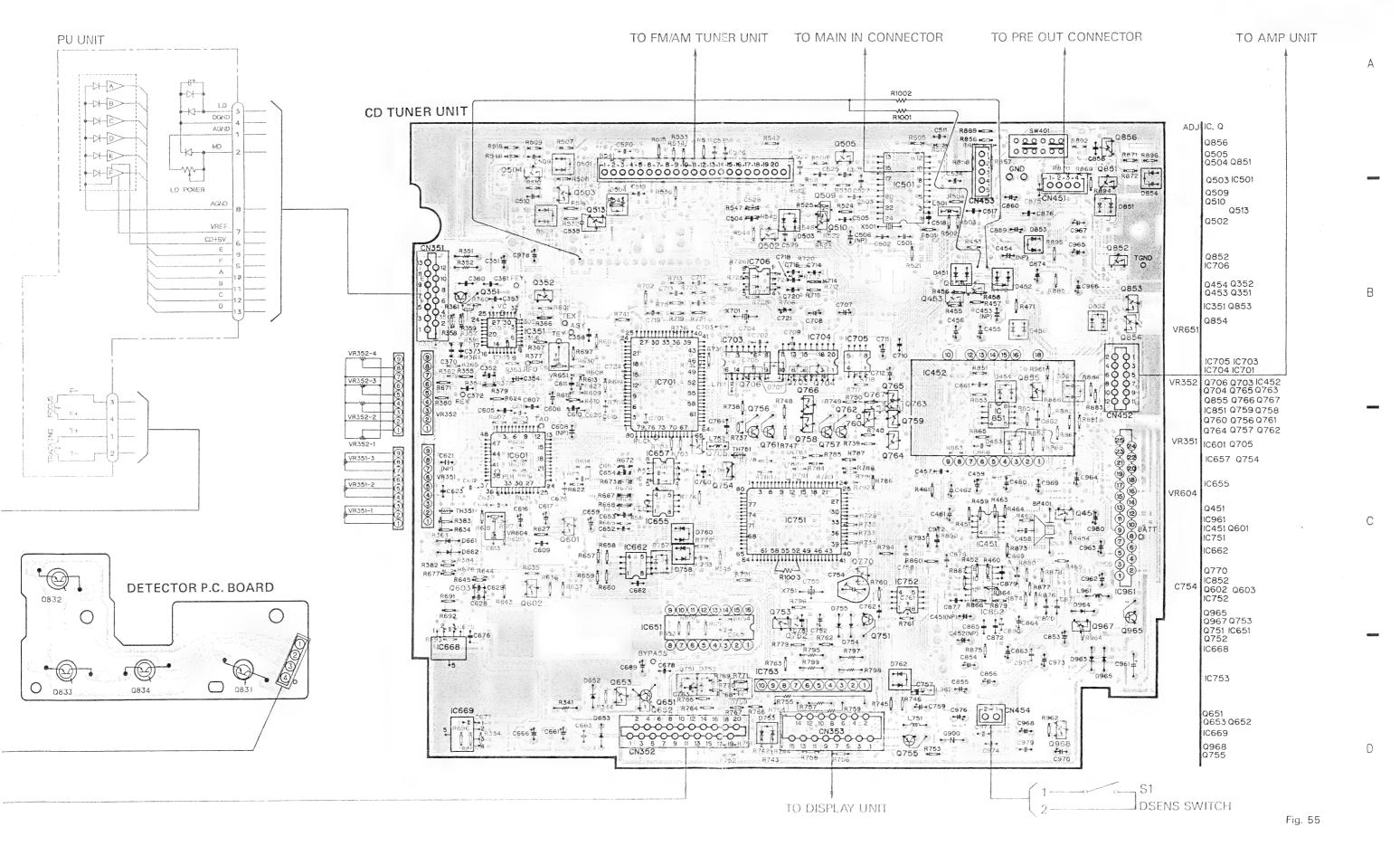
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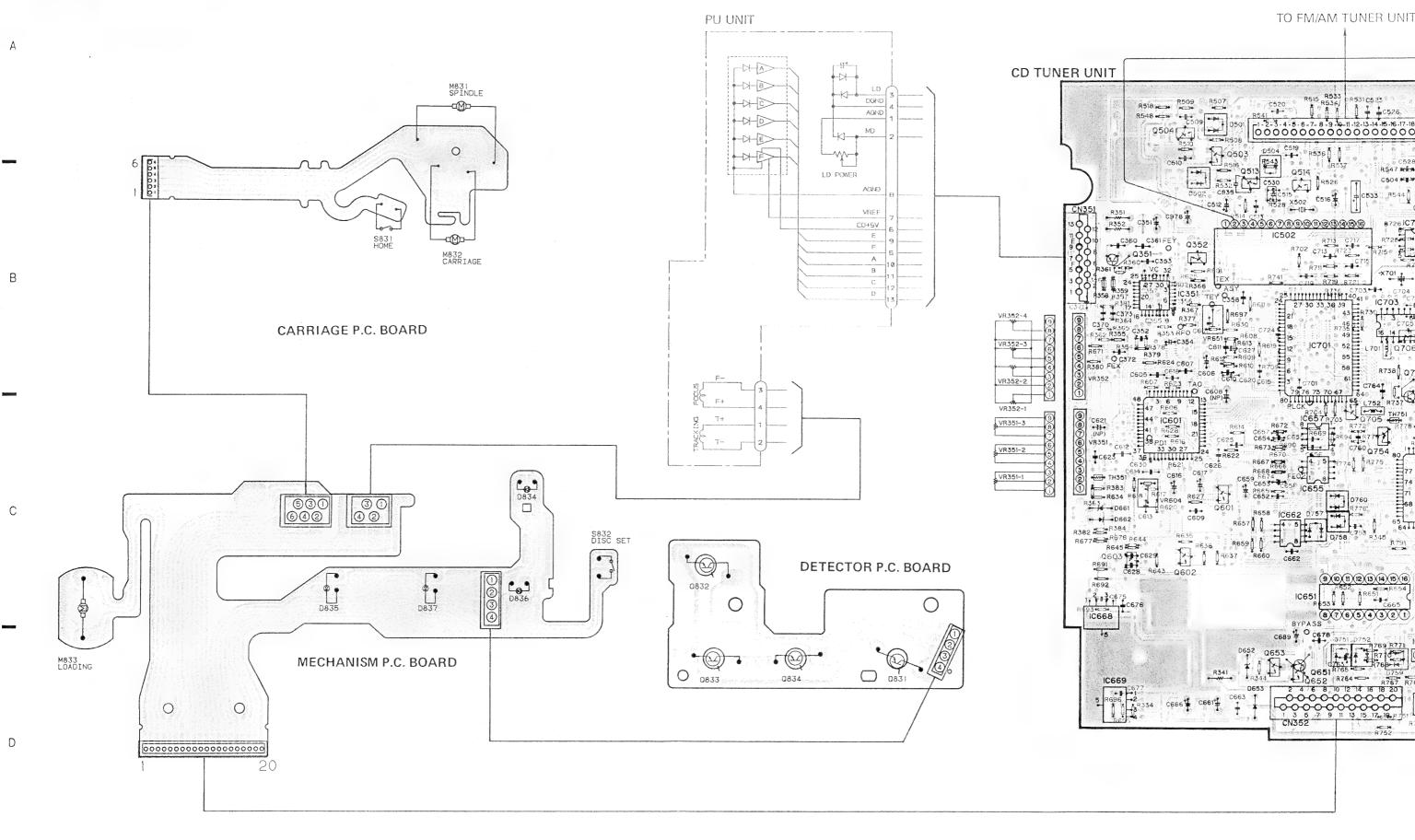
F



9 DEH-750



18.CONNECTION DIAGRAM (DEH-700SDK/WG)



PU UNIT TO FM/AM TUNER UNIT TO PRE OUT CONNECTOR TO AMP UNIT -DHA **CD TUNER UNIT** R1001 ·-DI-B> ADJ IC. Q R505 - R517 Q856 AGND 0505 Q504 Q851 R8 0 R869 Q851 R872 GND Q503 IC501 CN451^{R893} Q509 Q510 0514 0513 LD POWER Q502 R351 R352 Q852 CD+5V R726 C706

R726 C706

R726 C706

R726 R722 A714

R726 R726 R736

R728 R726 R736

R721 C708 IC706 Q508 IC502 | Rest | Q454 Q352 C713 R723 IC351 Q853 Q854 VR651 IC705 IC703 IC704 IC701 VR352 Q706 Q703 IC452 Q704 Q765 Q763 Q855 Q766 Q767 Q759 Q758 VR352-2 Q760 Q756 Q761 Q455 VR352-1 Q764 Q757 Q762 Q455 R865 VR351 IC601 Q705 R863 D453 7 7 VR351-3 987654321 C457+1- C459 IC657 Q754 VR351-2 IC655 VR604 VR351-1 Q451 IC961 IC451 Q601 10662 R677 R676 R644 Q770 IC852 Q602 Q603 DETECTOR P.C. BOARD 0832 Q967 Q753 Q751 IC651 2 3 c675 Q967 Q965 0752 IC668 10668 IC753 1746 \$\frac{1}{2}\text{H} \cdot \cap C759} \cdot \cent{C976} \tag{2} \tag{2} \cdot Q831 C968 R962 0653 0652 334 C666 C661 G900 IC669 0968 0755 Q755 R763 D DSENS SWITCH Fig. 56 TO DISPLAY UNIT

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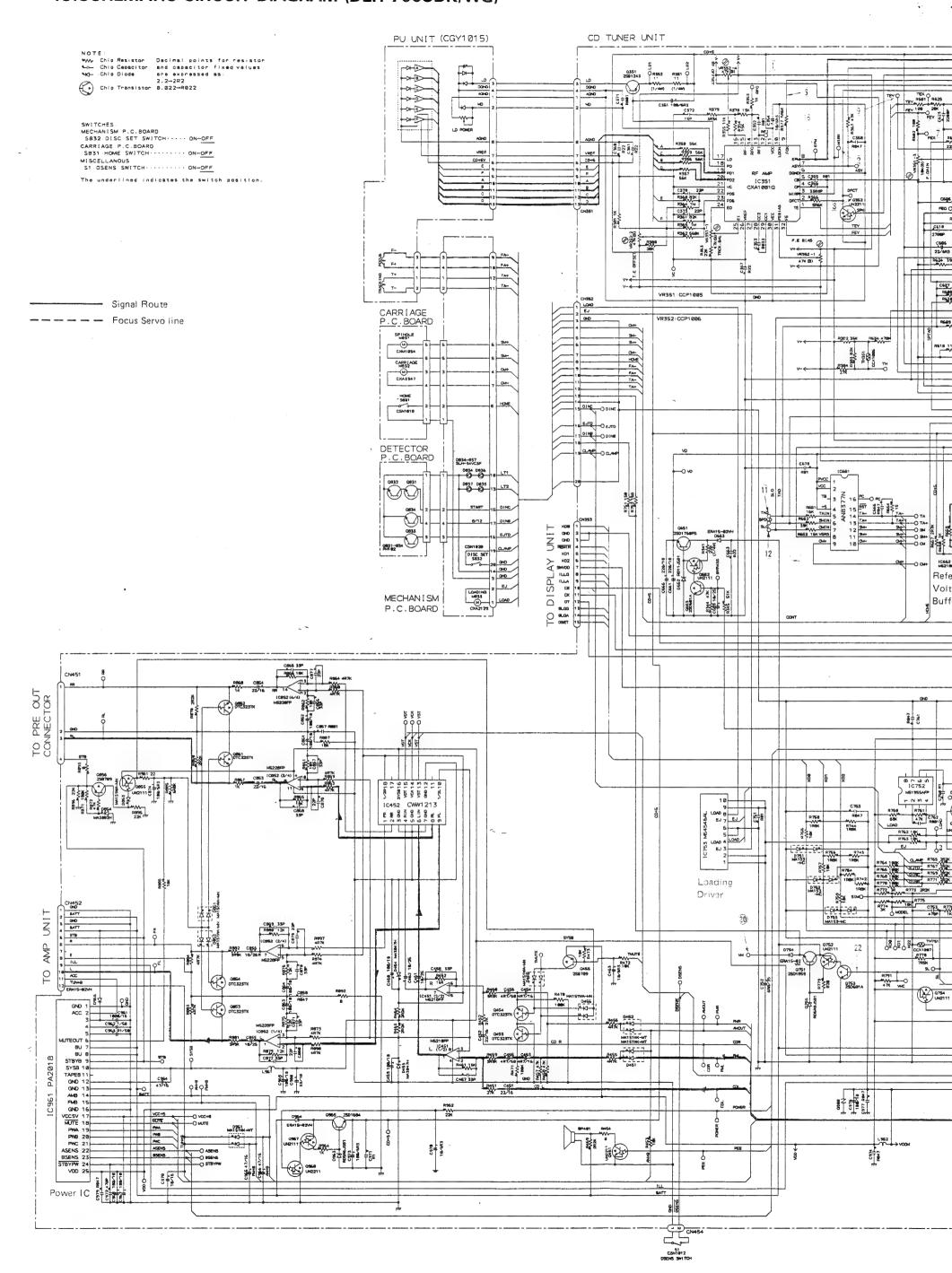
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В



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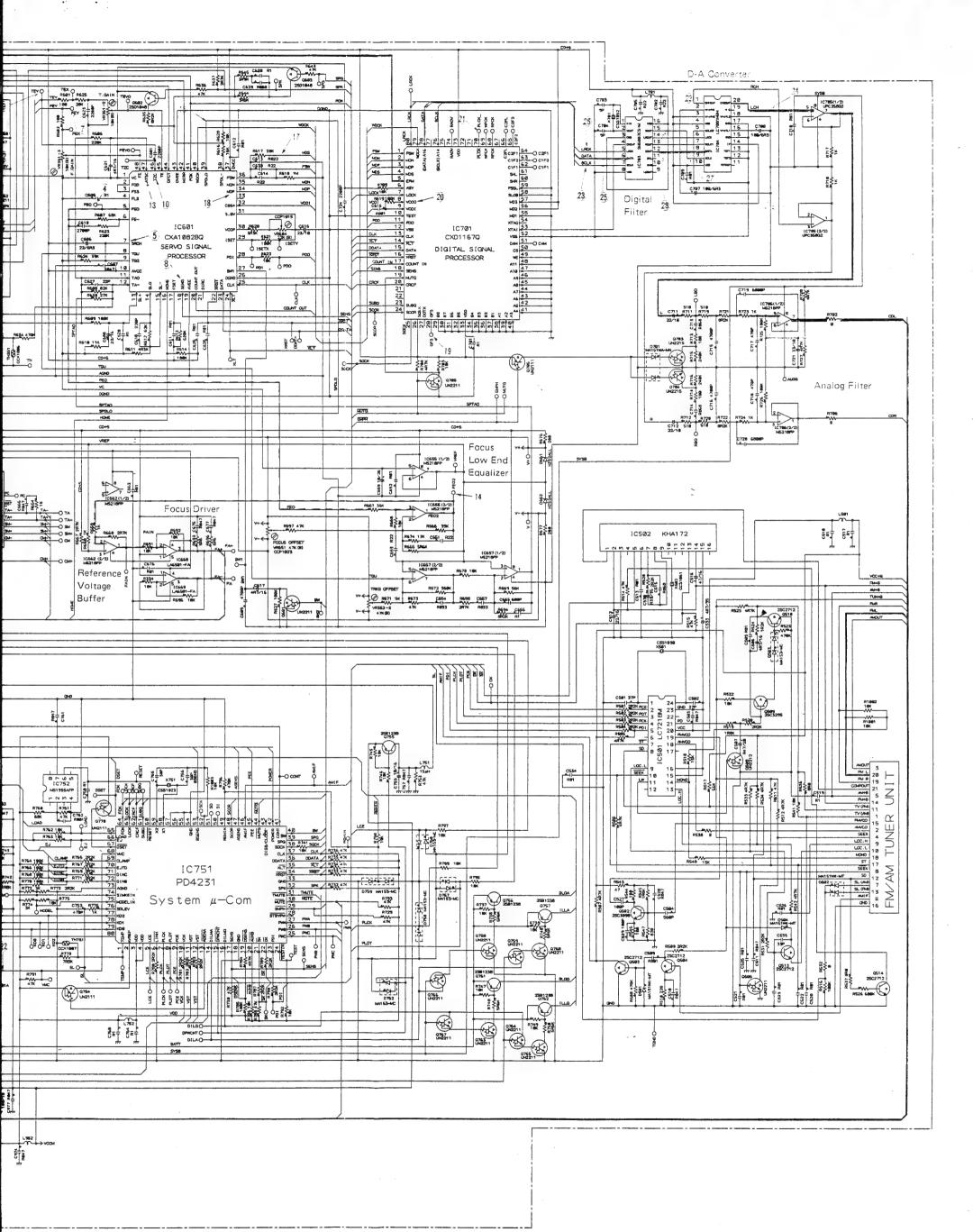


Fig. 57

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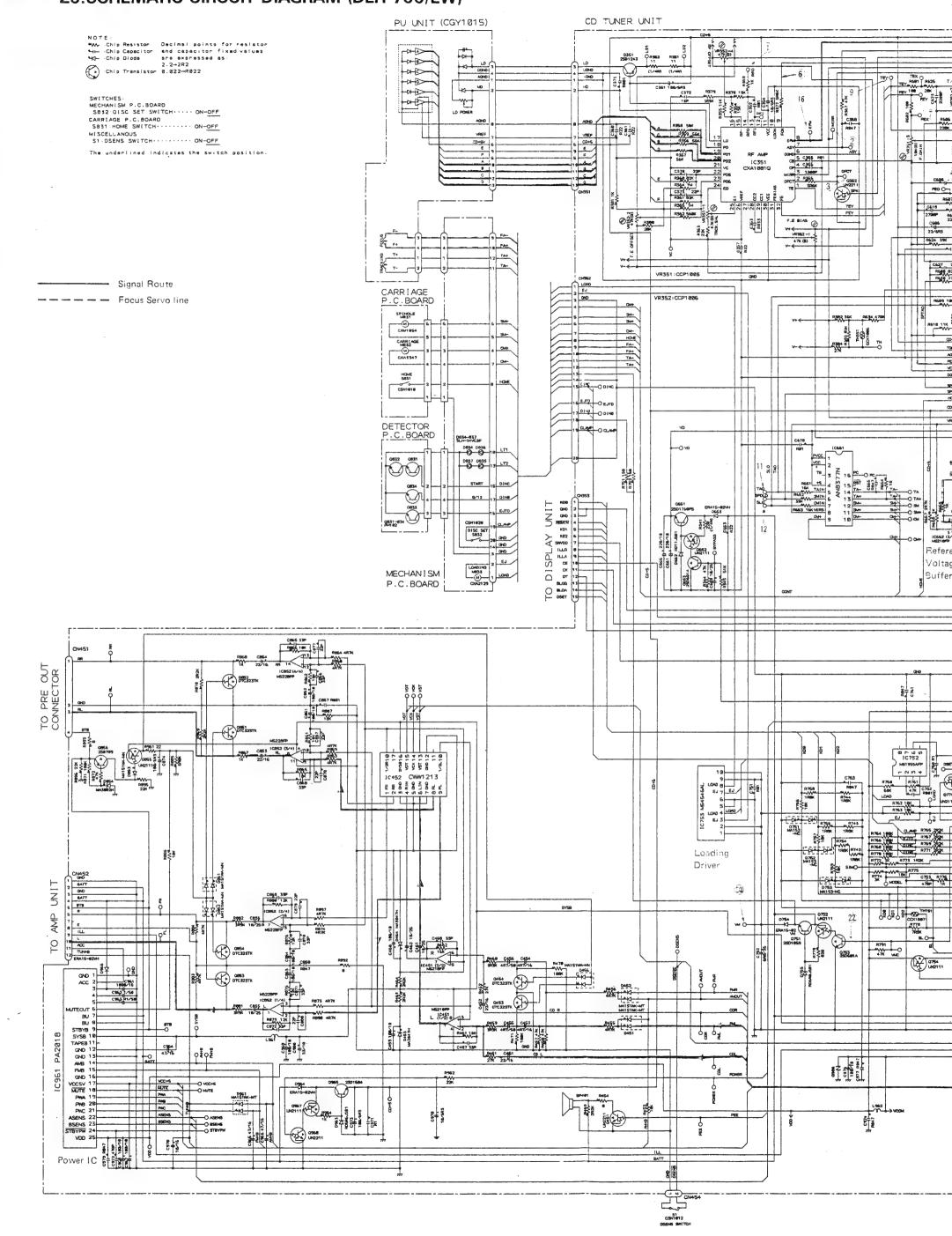
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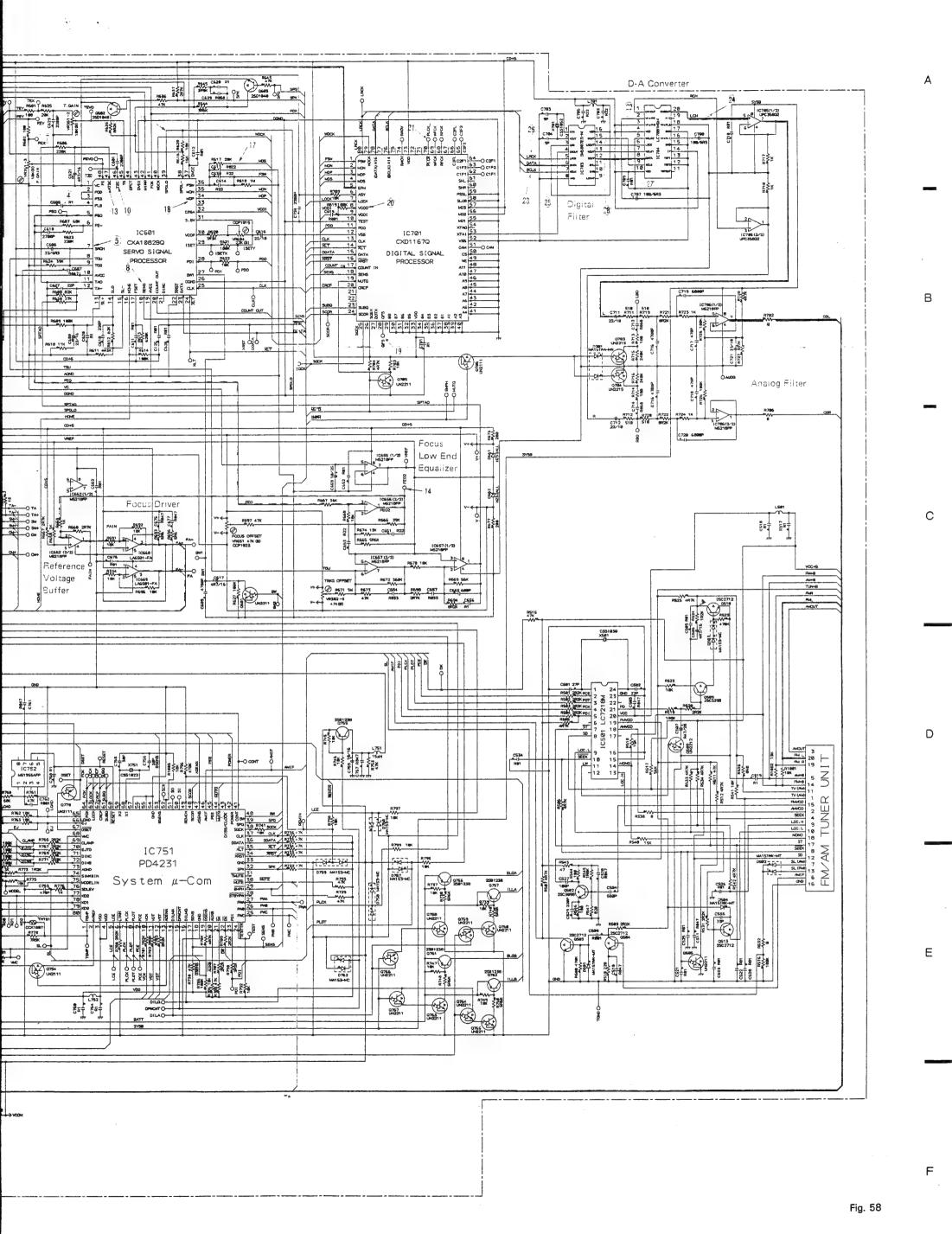
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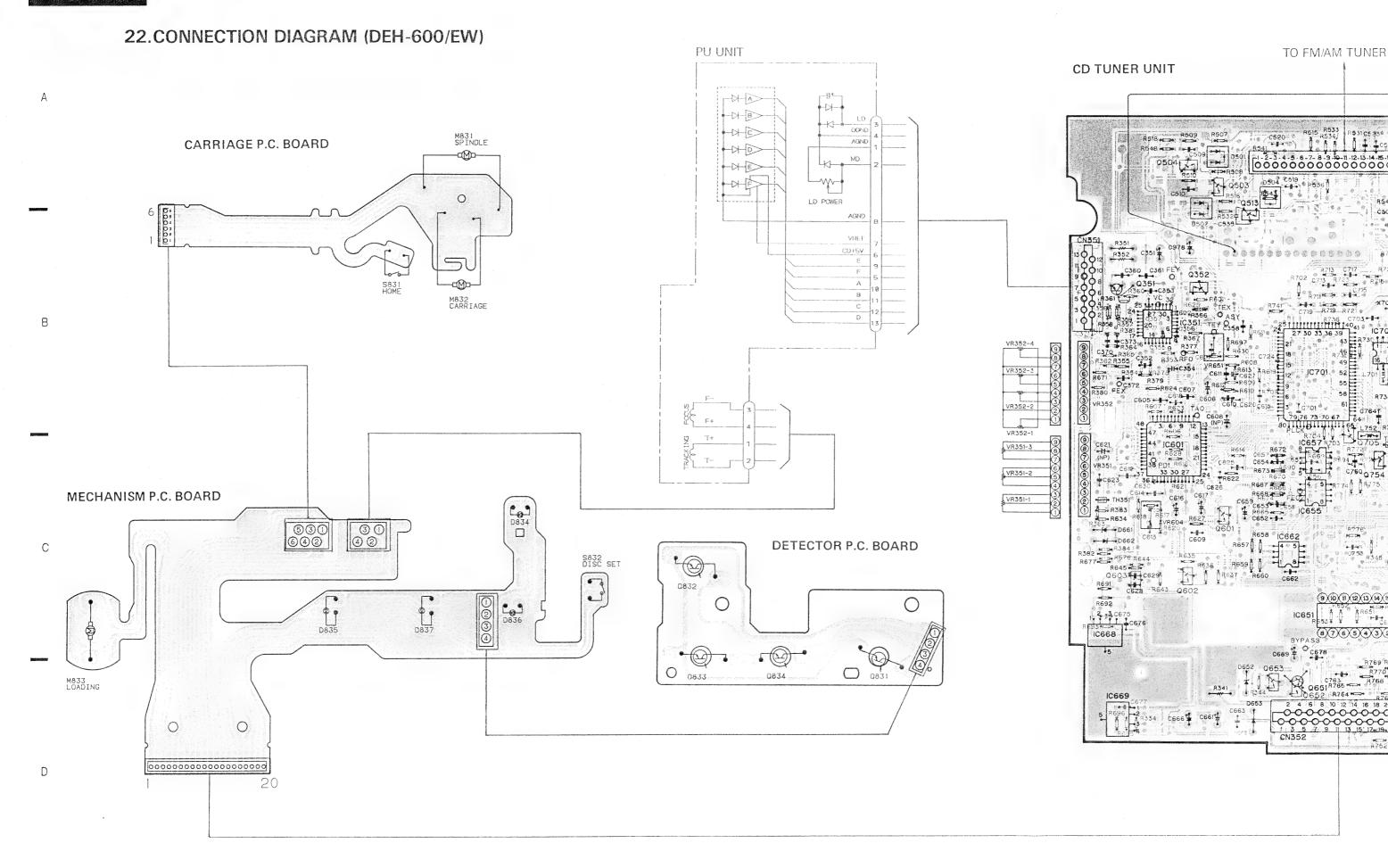
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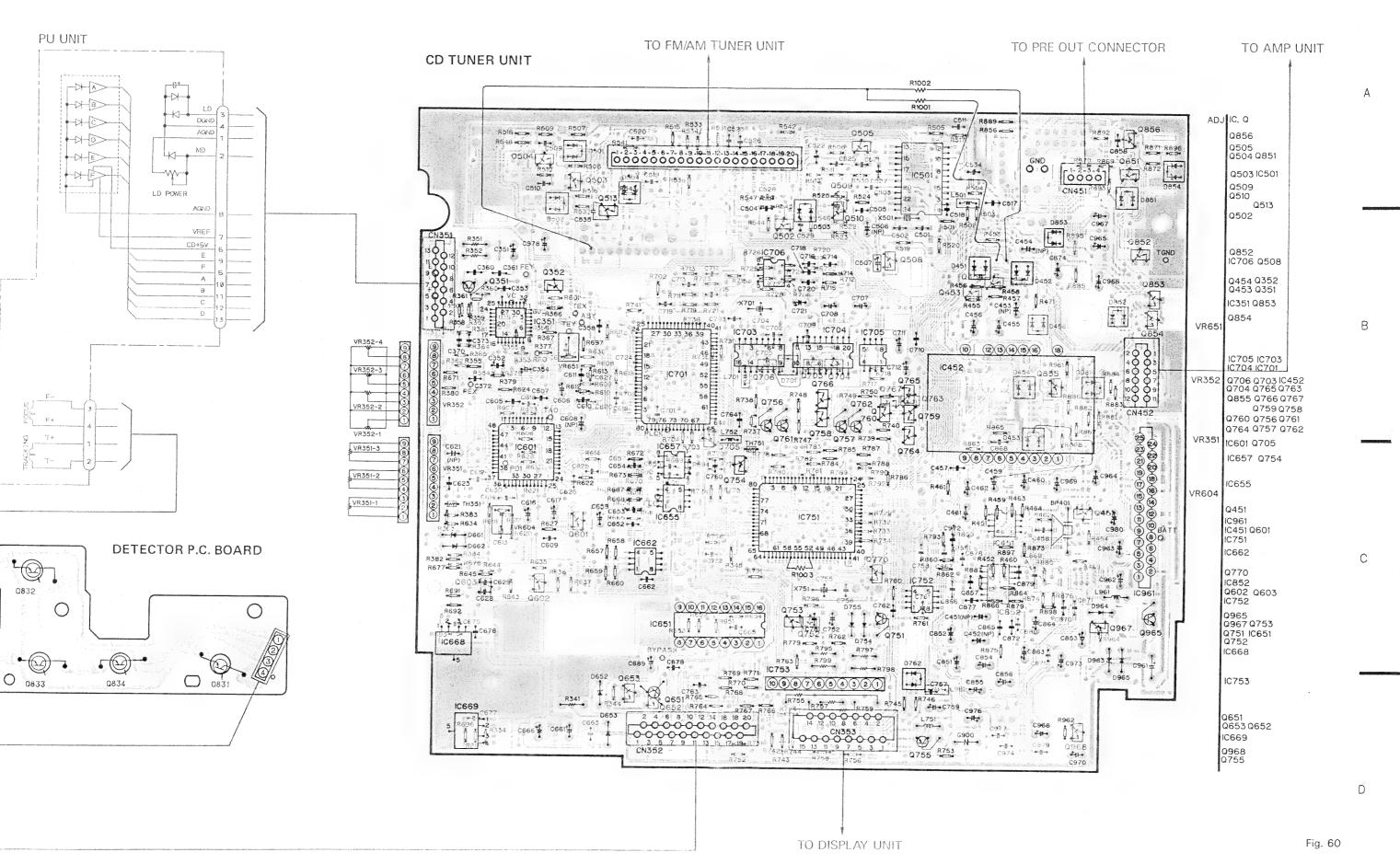




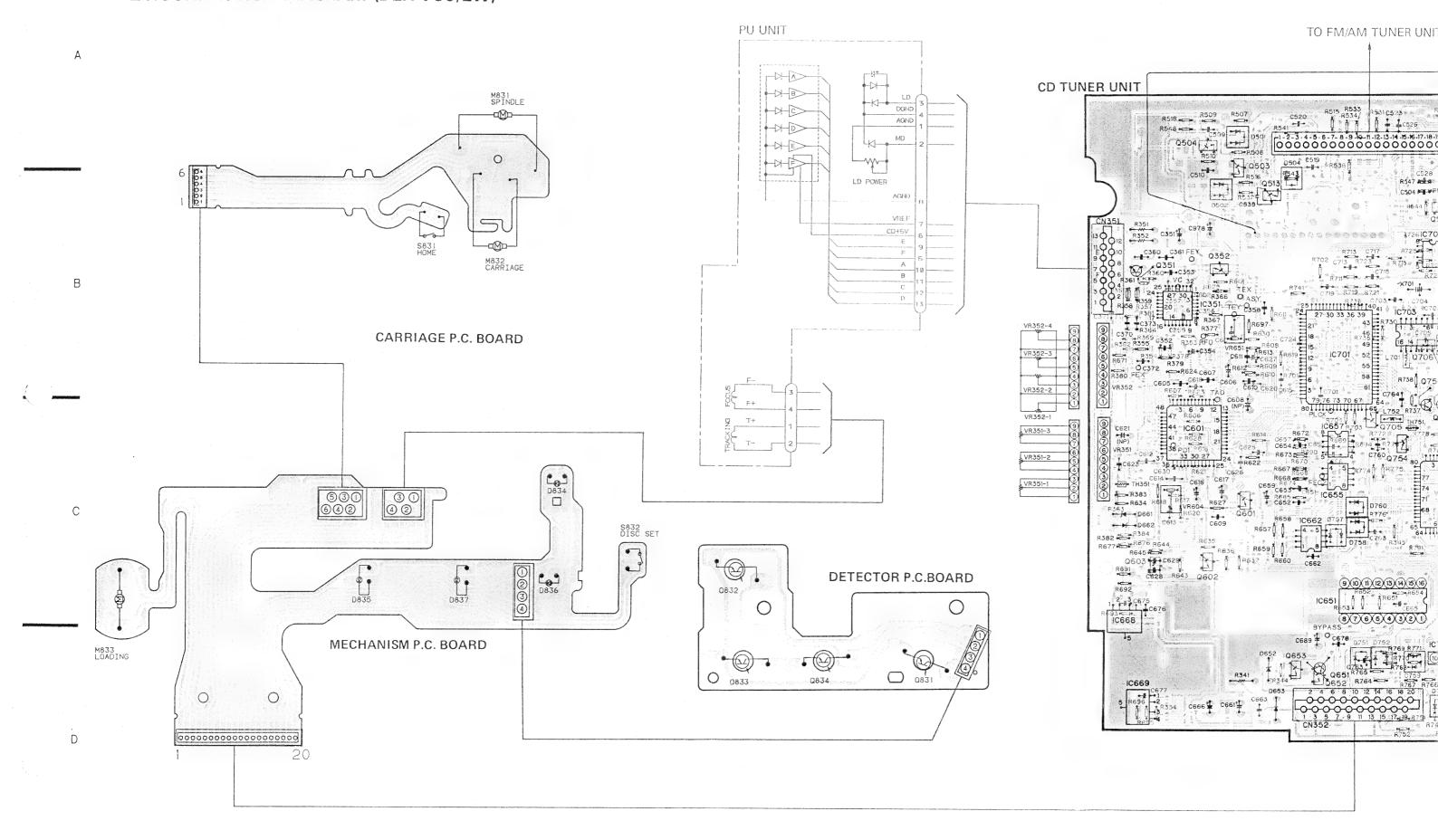


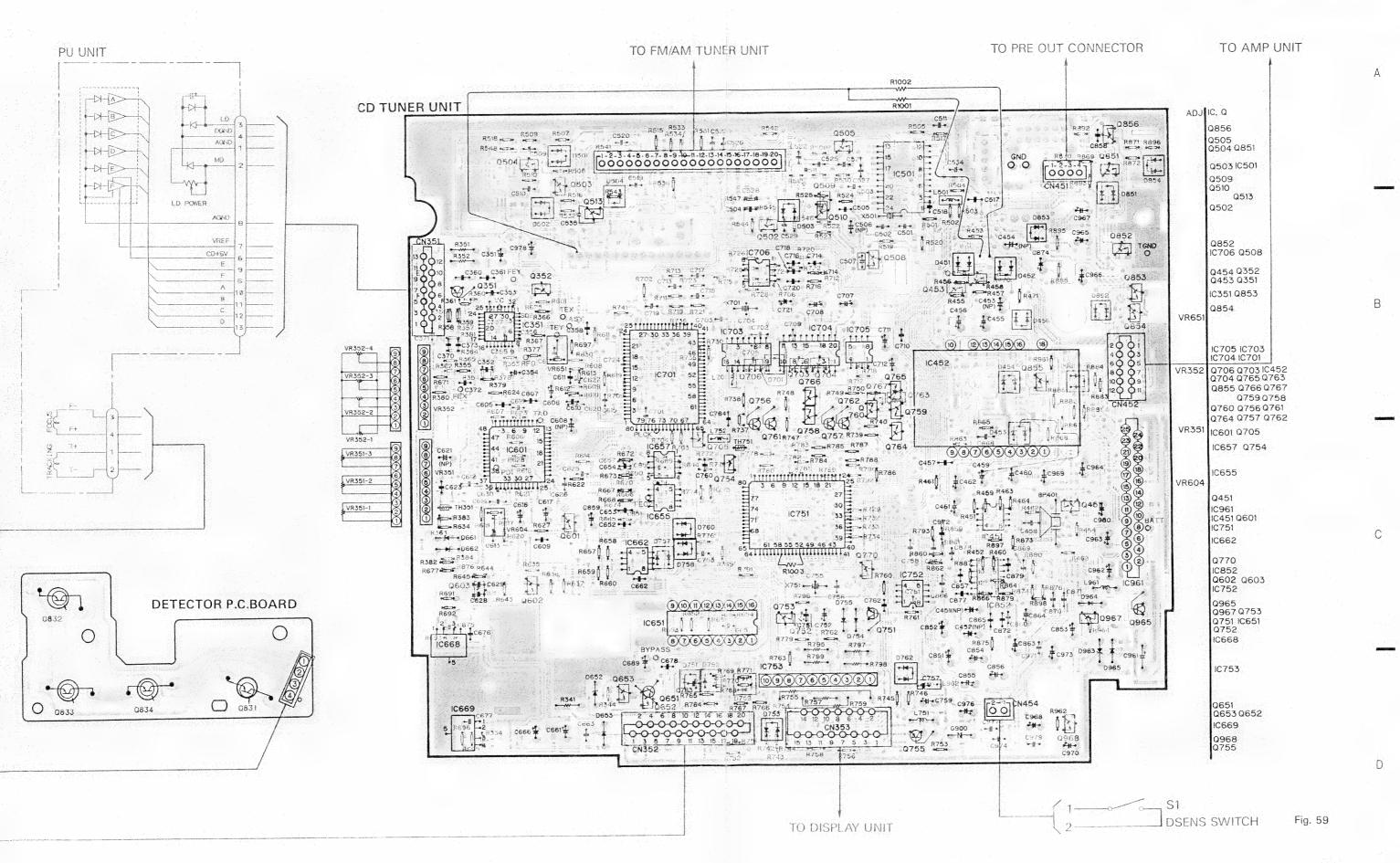


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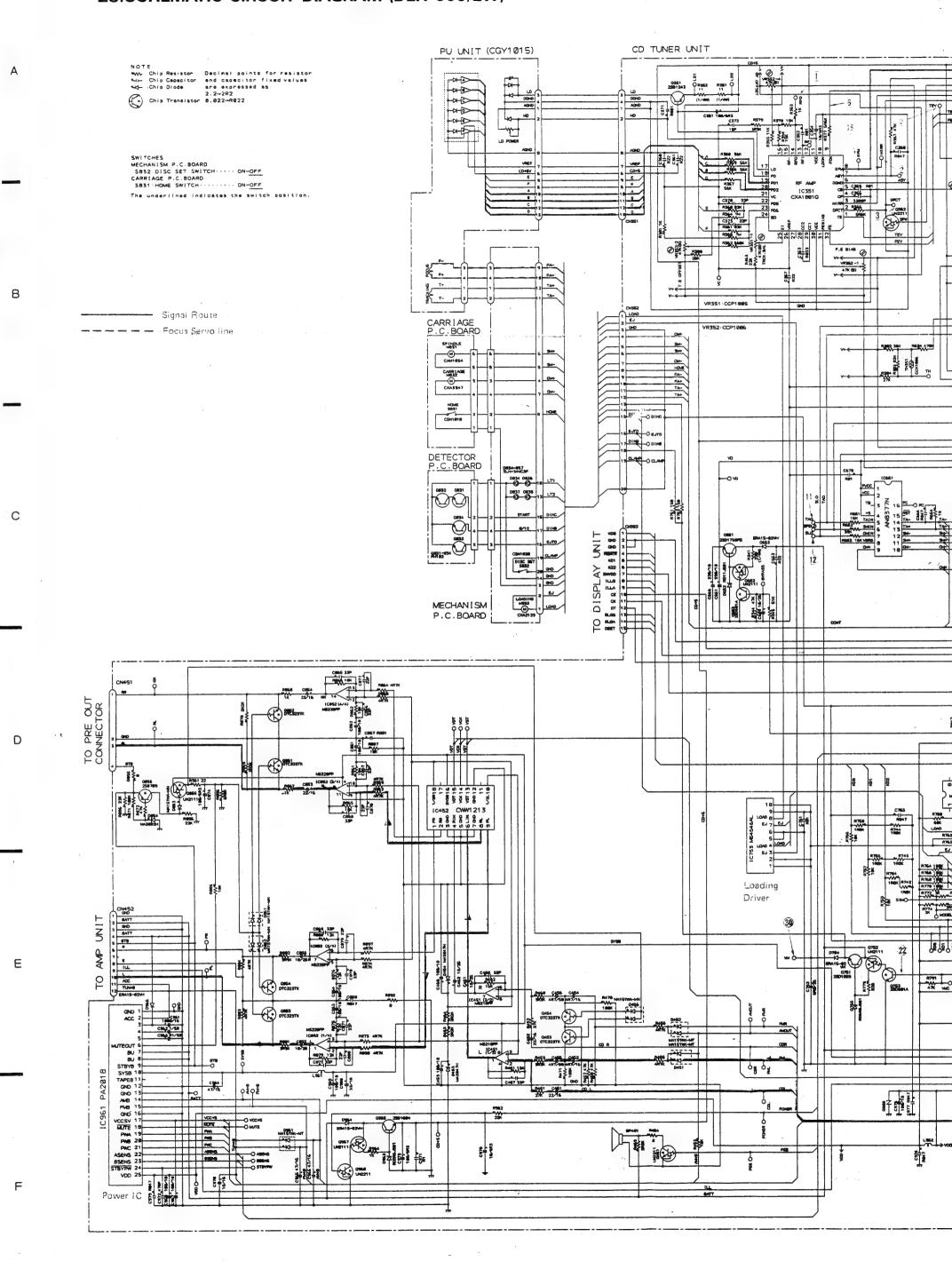


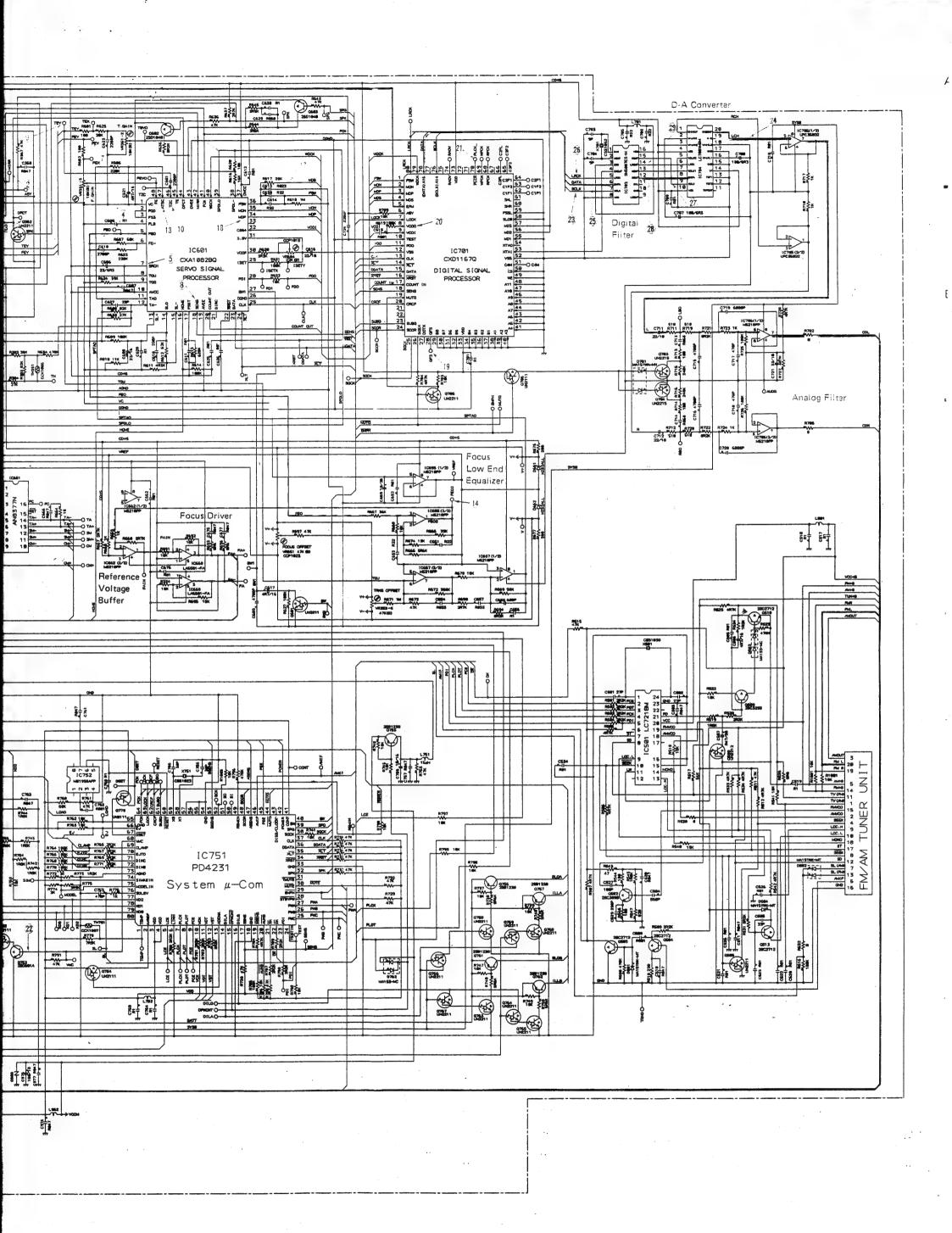
21.CONNECTION DIAGRAM (DEH-700/EW)





23.SCHEMATIC CIRCUIT DIAGRAM (DEH-600/EW)





2. Reference voltage Wave Forms G: GND VC: Pin 26 of CXA1081Q (2.5V) ① CH1: RFO 0.4V/div CH1: FEY 1V/div. 9 CH1: TEY 0.4V/div. 0.4ms/div. 4ms/div. ② CH2: MIRR 2V/div. 8 CH2; SENS 2V/div. (1) CH2: TAO 0.4V/div. Normal mode: Focus close (The lens moves Test mode: Tracking open Normal mode: Track search (80 track jump) DOWN - UP) ① CH1: RFO 9 CH1: TEY 0.4V/div. 12 CH1: SLO 0.4ms/div. 0.4ms/div. 3 CH2: DFCT 2V/div. 10 CH2: TZC (3) CH2: ATSC 0.02V/div. 0.4V/div. Normal mode: The defect part passes 800µm. Test mode: Tracking open Normal mode: PLAY 4 CH1: FEO 0.2V/div. 0.4\$/div. 0.5V/div. 2ms/div. 200ns/div. ⑤ CH2: Pin 7 of CXA1082BQ 0.1V/div. ① CH2: TAO 0.4V/div. Normal mode: PLAY Test mode: Connect the FOK2 to GND. Normal mode: Brake wave form when track Focus search is performed. search is performed. (CH1 is the same phase as the lens movement.) -0.0 0 v 6 CH1: FOK2 9 CH1: TEY 7 CH1: FEY 0.2S/div. 0.4ms/div. 20ms/div. 4 CH2: FEO 0.4V/div. ① CH2: TAO (4) CH2: FEO2 0.5V/div. 0.4V/div. Normal mode: Focus close Test mode: Single jump Normal mode: PLAY

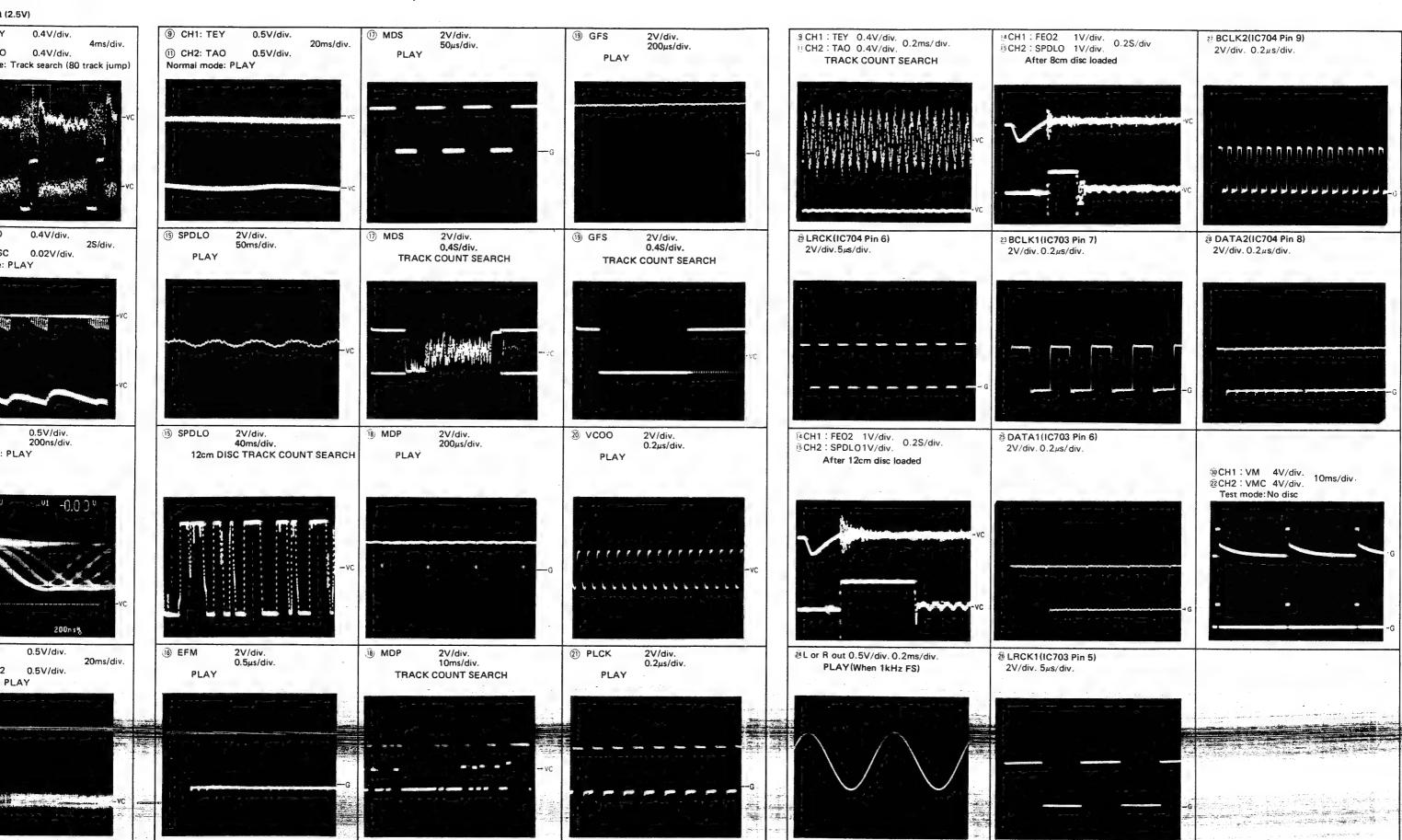
9 CH1: TEY 19 GFS 2V/div. 200μs/div. 0.5V/div. ① MDS 9 CH1 : TEY 20ms/div. 11 CH2 : TAO (1) CH2: TAO 0.5V/div. PLAY PLAY Normal mode: PLAY 2V/div. 17) MDS 2V/div. 2V/div. 0.4S/div. 29 LRCK(IC7 50ms/div. 0.4S/div. PLAY TRACK COUNT SEARCH TRACK COUNT SEARCH 15 SPDLO 18) MDP 20 VCOO ACH1: FEO2 2V/div. 40ms/div. 200μs/div. 0.2µs/div. GCH2: SPDI 12cm DISC TRACK COUNT SEARCH PLAY PLAY 16 EFM 2V/div. 10ms/div. 2V/div. 21 PLCK 2V/div. &L or R out (0.5µs/div. 0.2µs/div. PLAY TRACK COUNT SEARCH PLAY

TRAC

2V/div.5μs

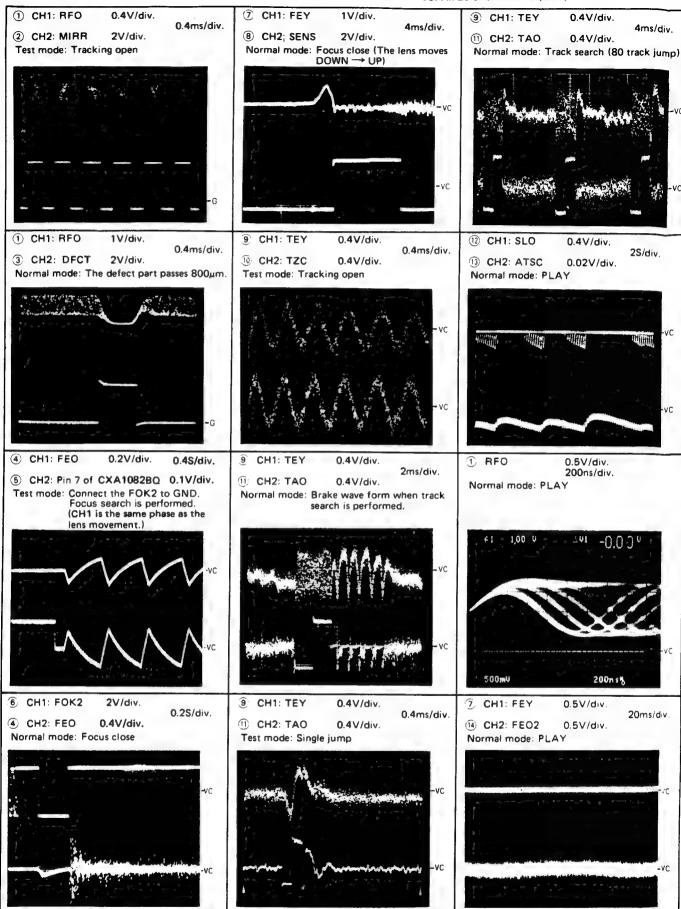
After 1

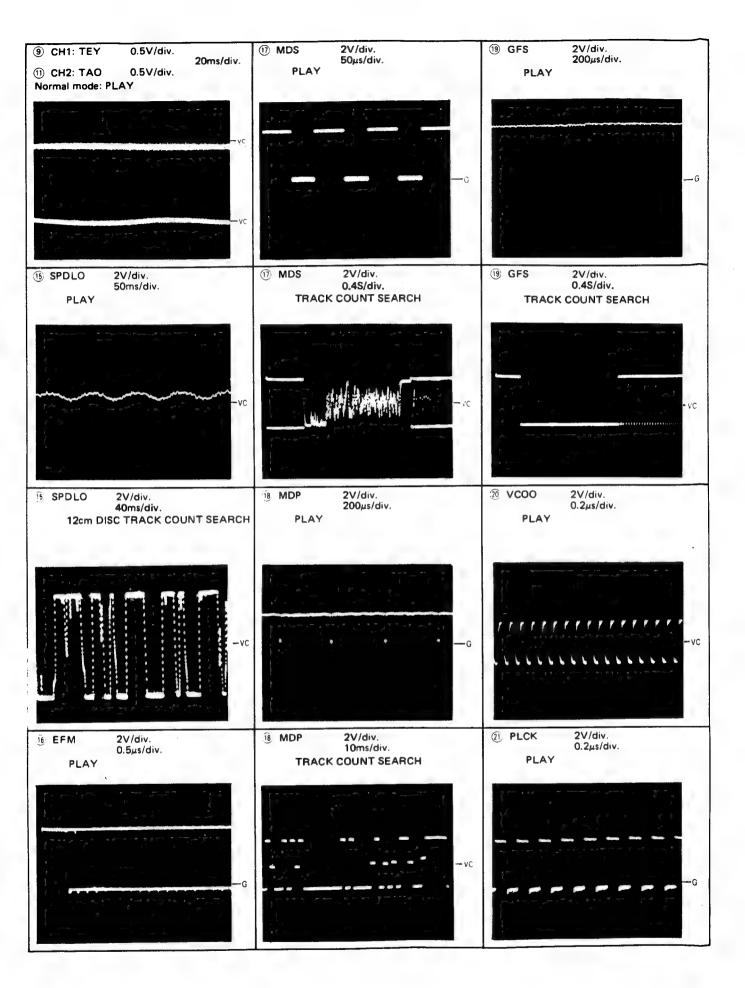
PLAY

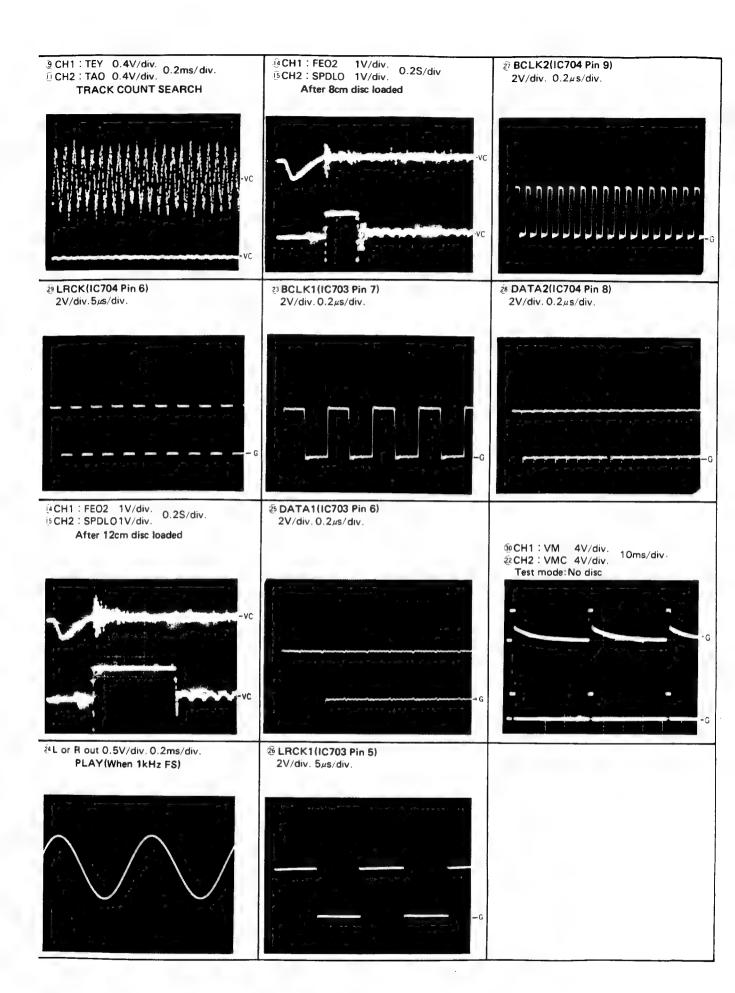


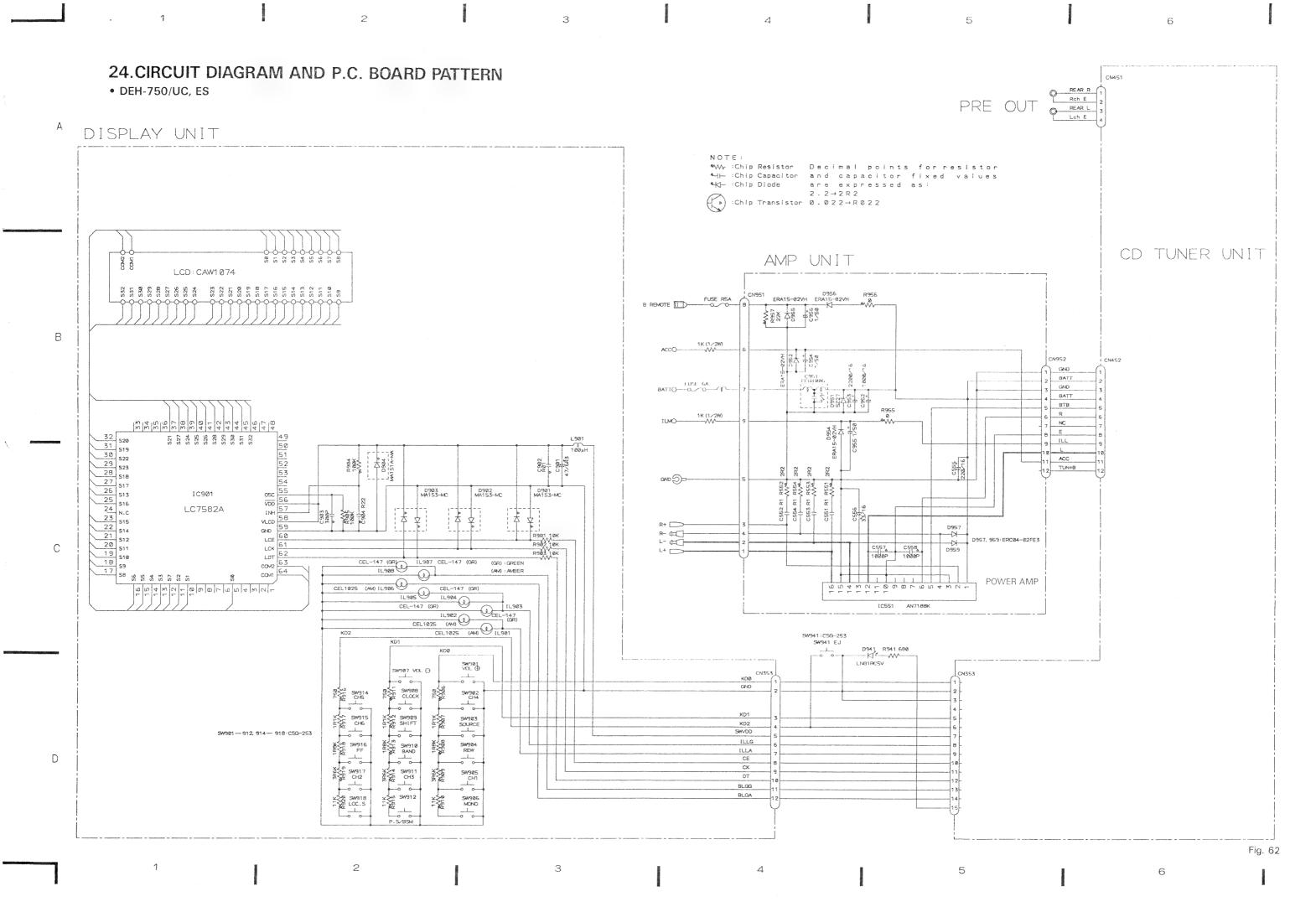
+ 1

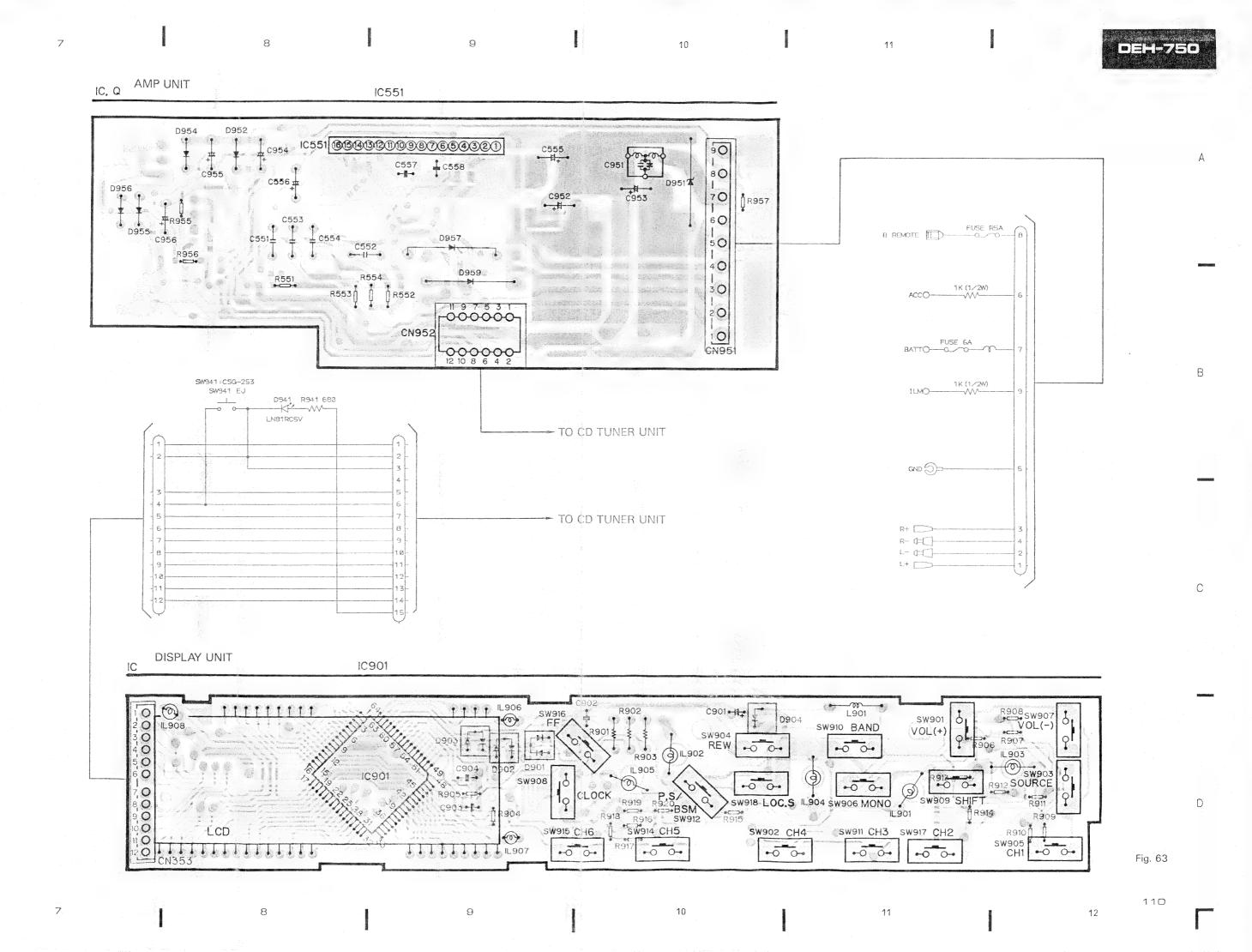
G: GND VC: Pin 26 of CXA1081Q (2.5V)





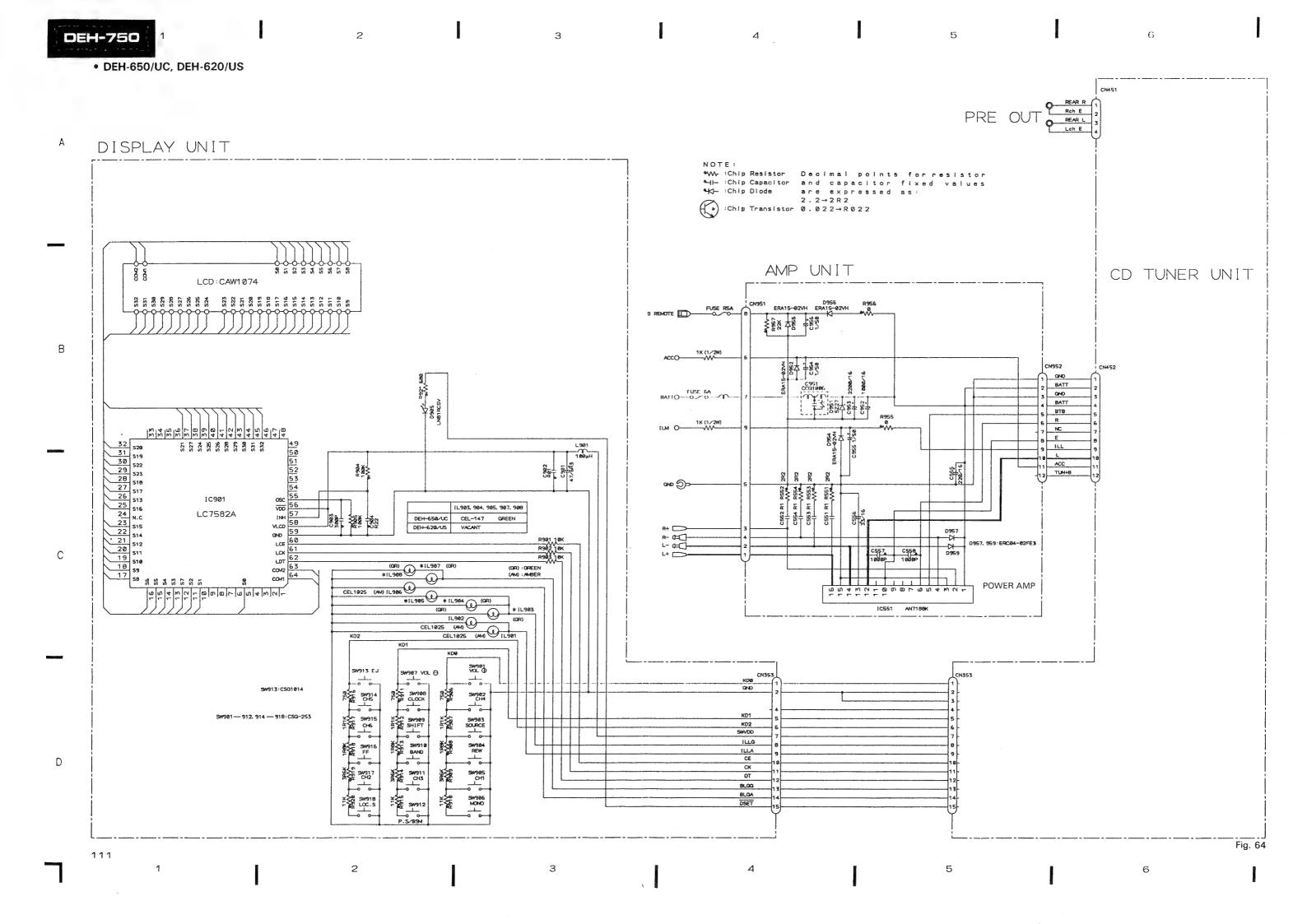






UNIT

Fig. 62



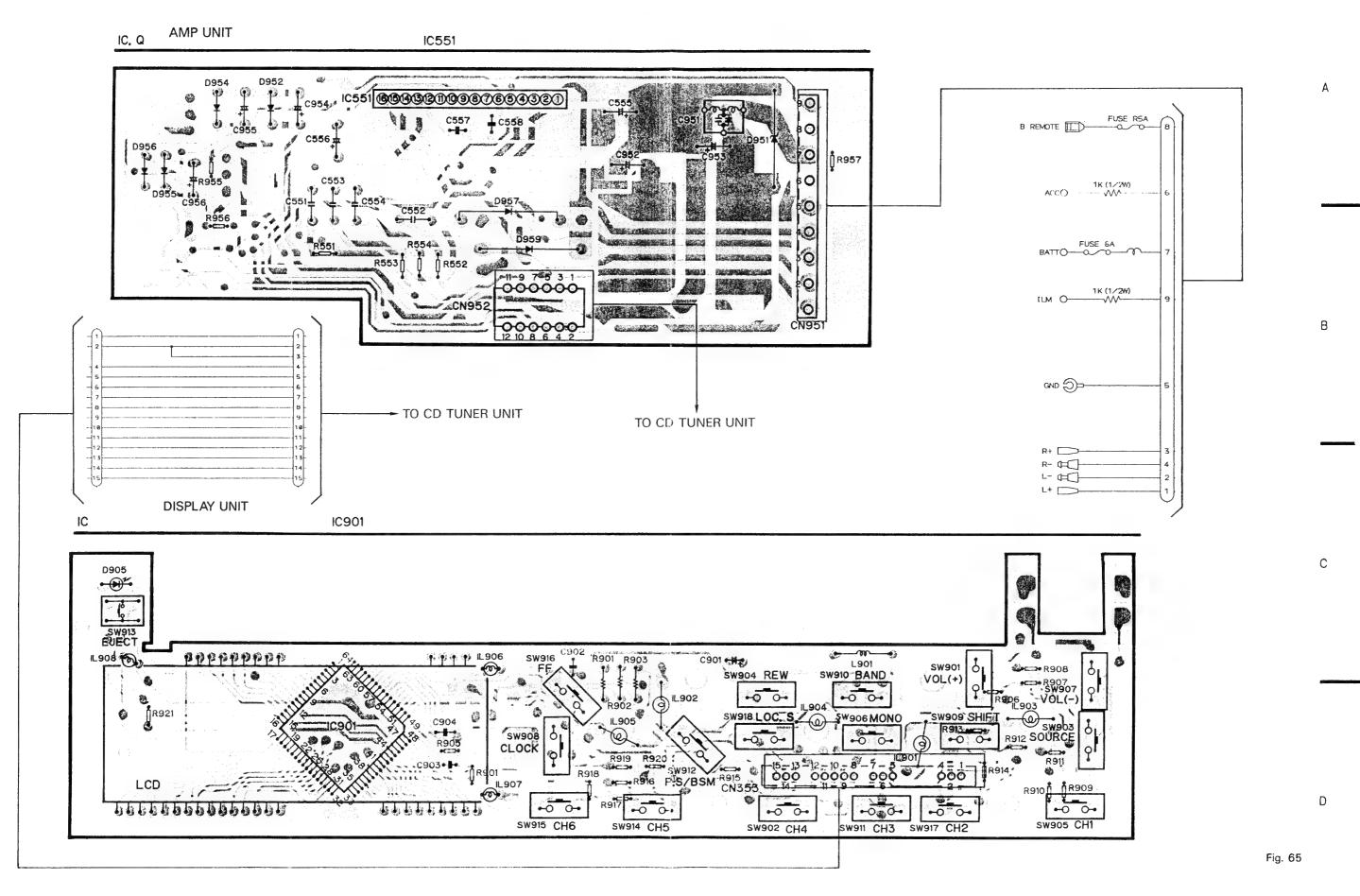
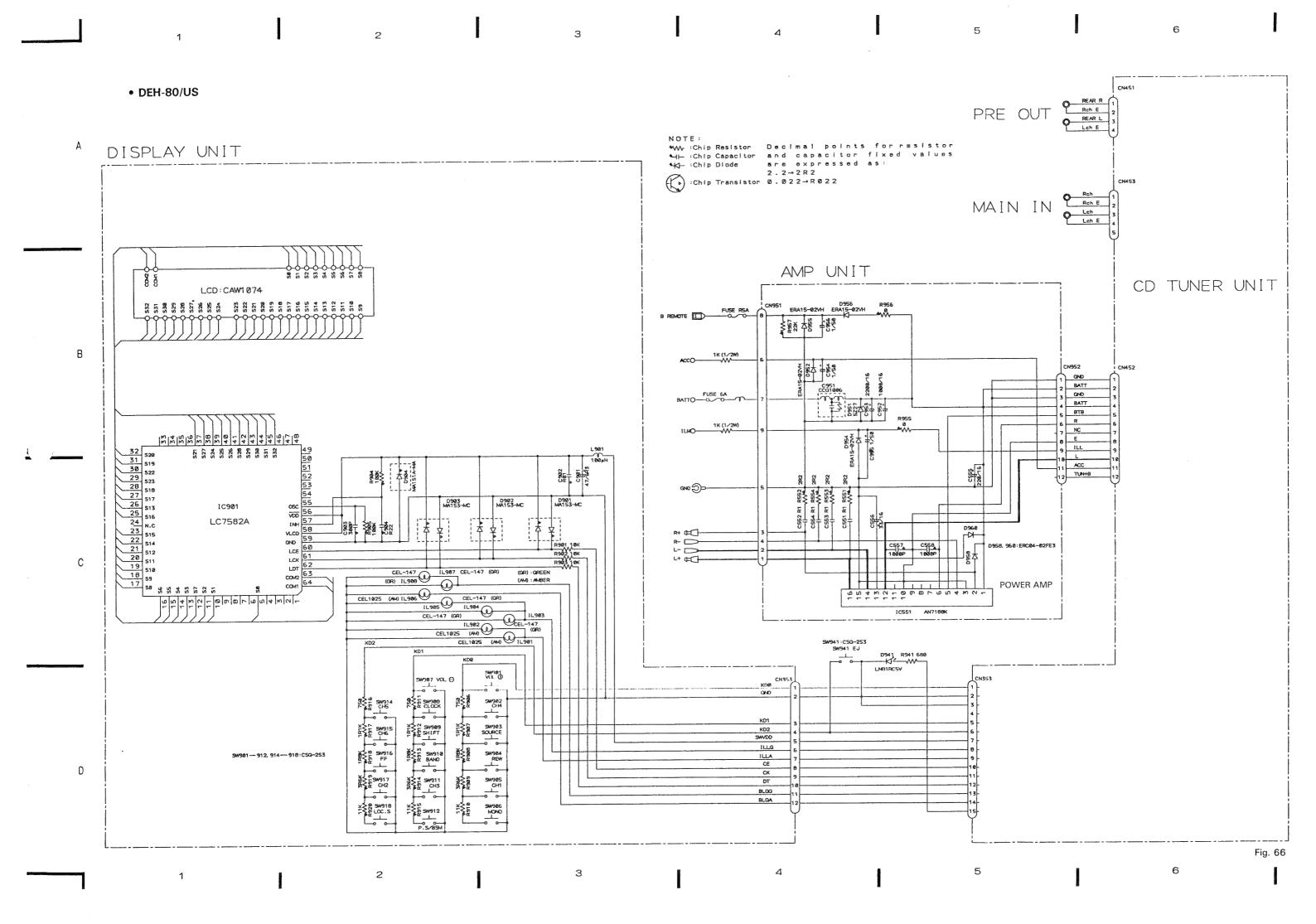


Fig. 64

NIT

10



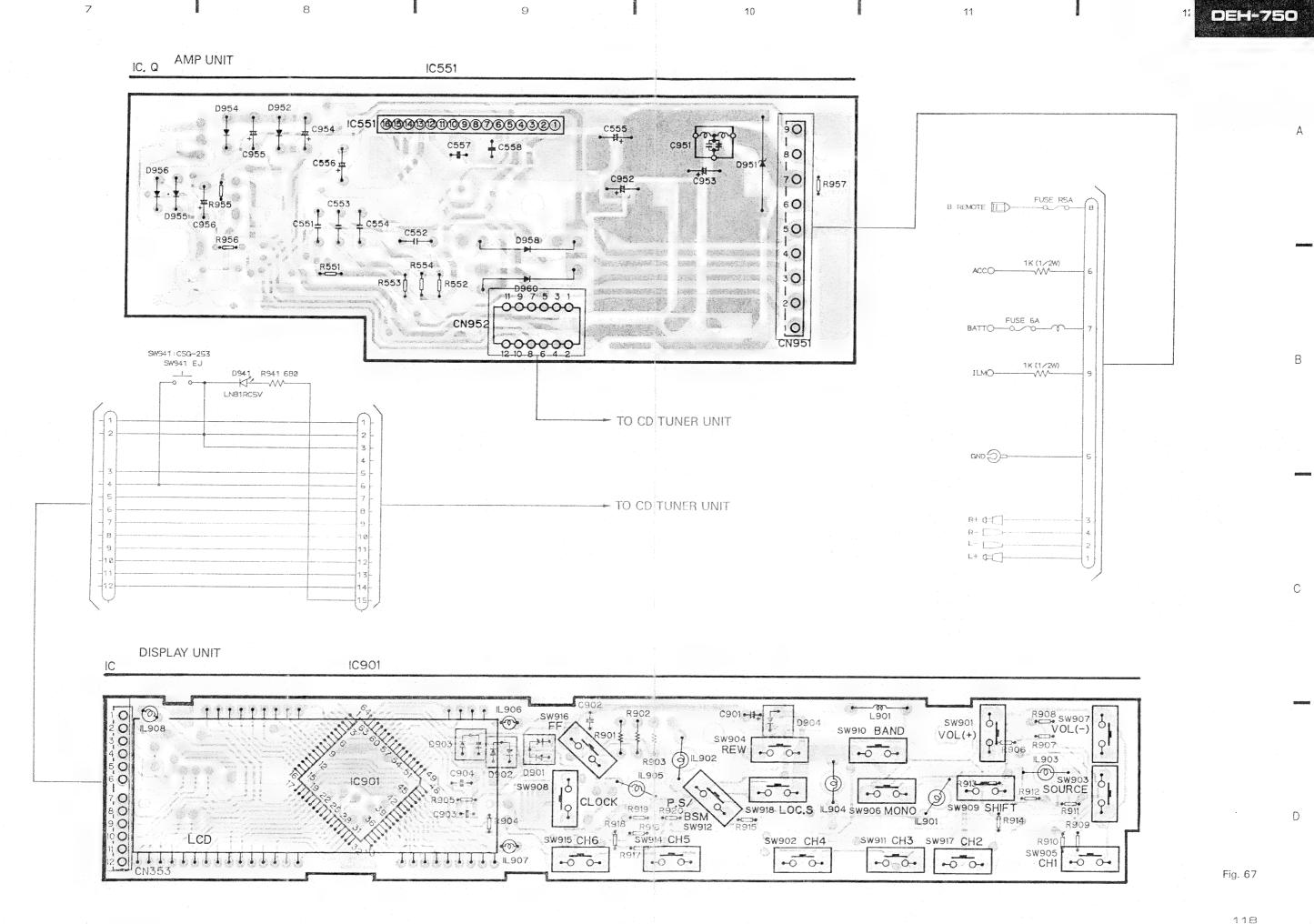
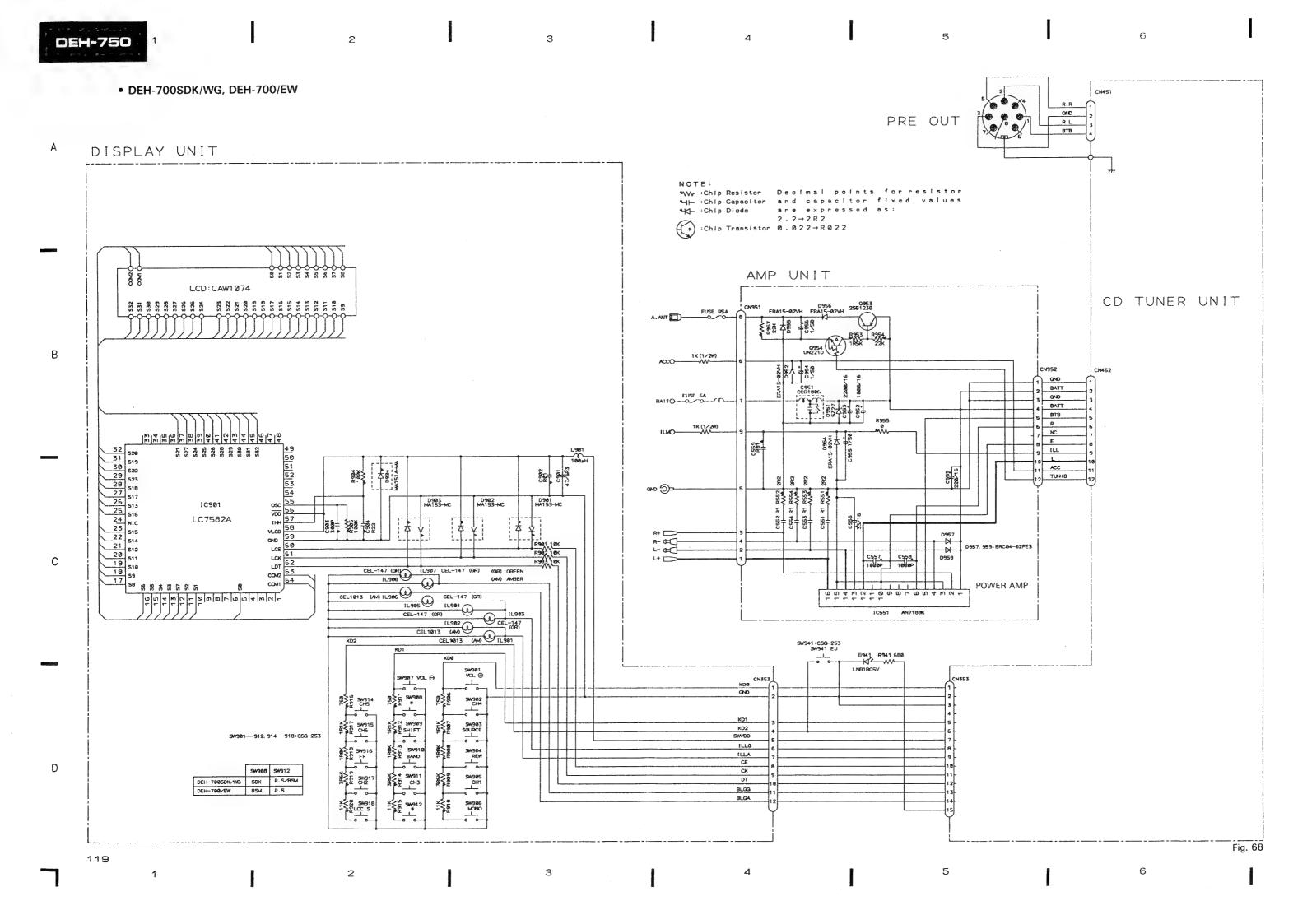
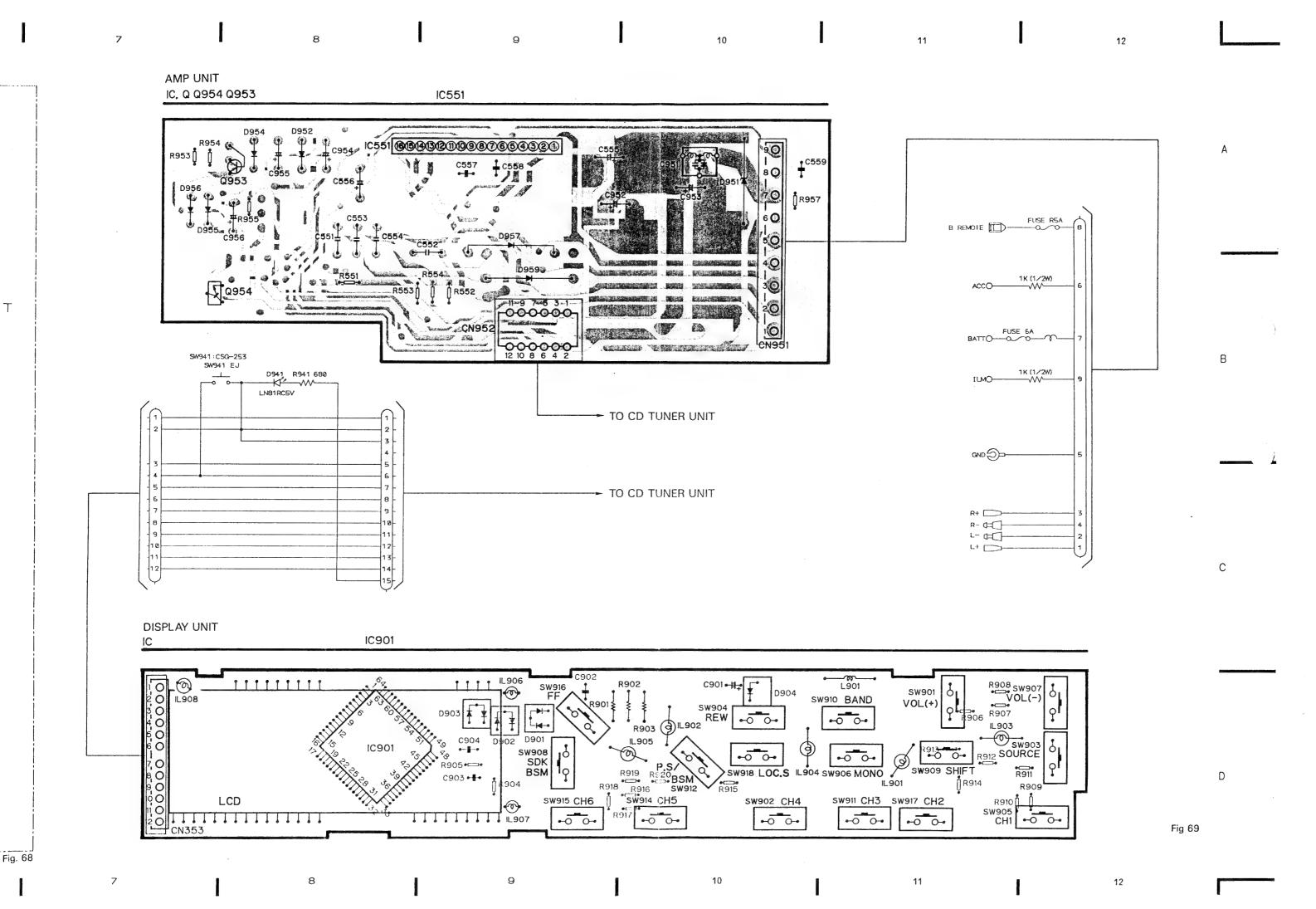
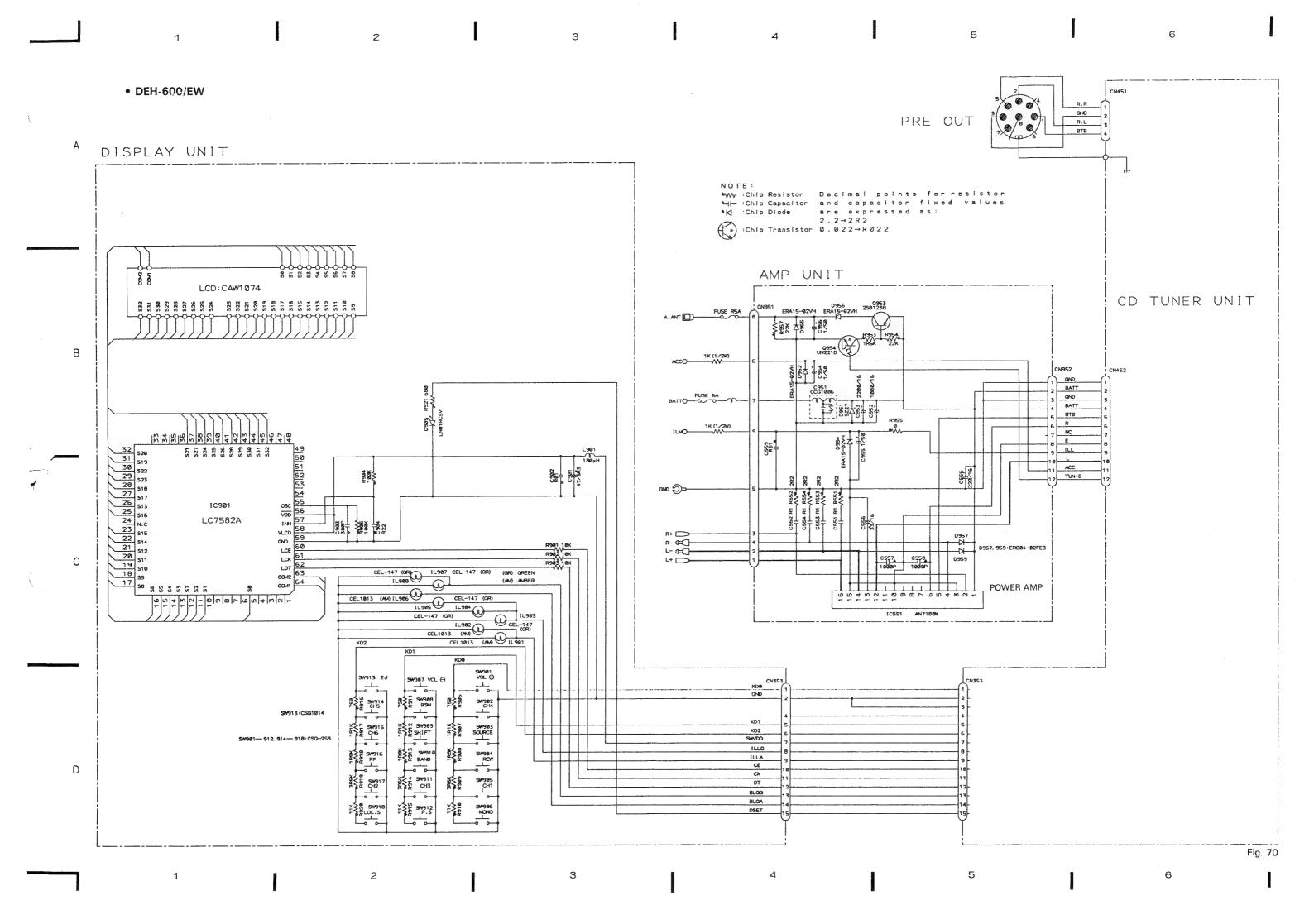


Fig. 66

UNIT







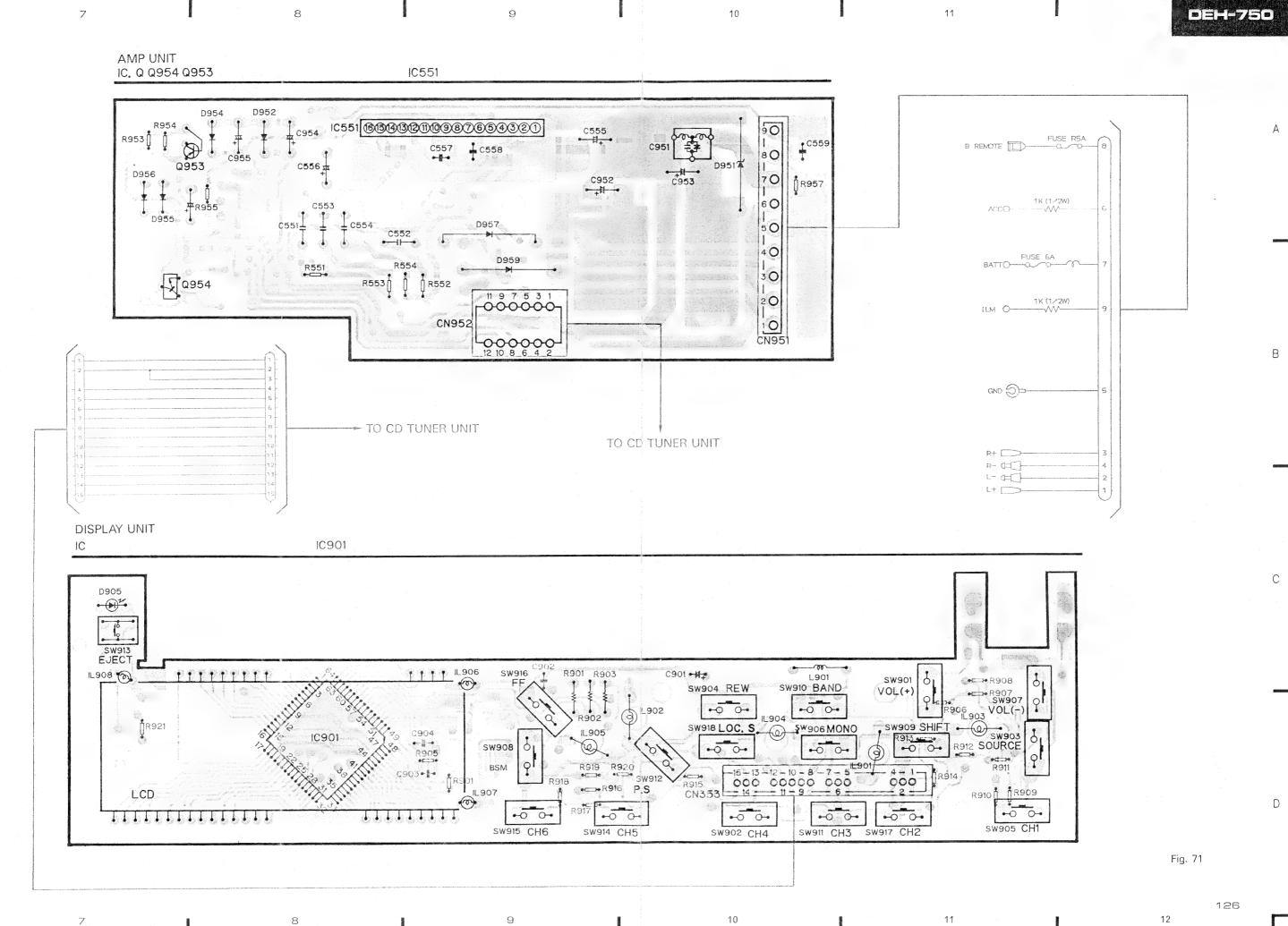
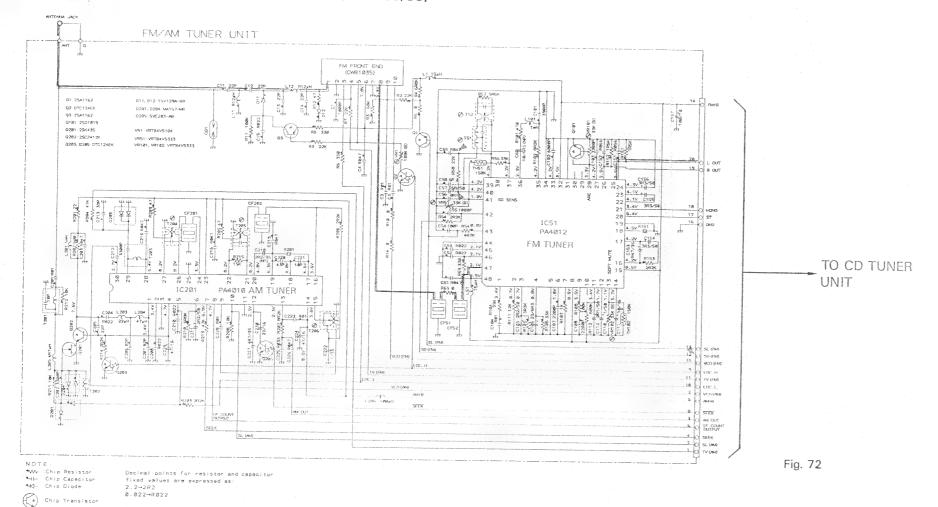


Fig. 70

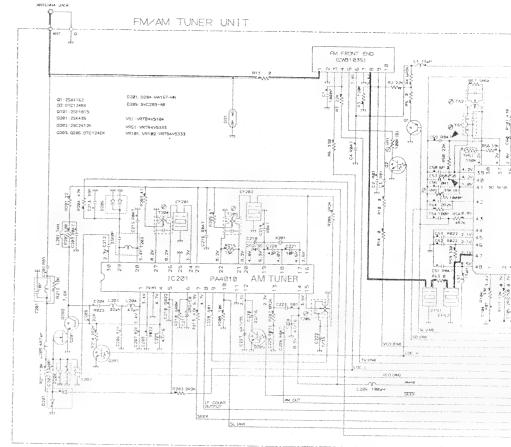
TIL

• FM/AM Tuner Unit (DEH-750/UC, DEH-650/UC, DEH-80/US)



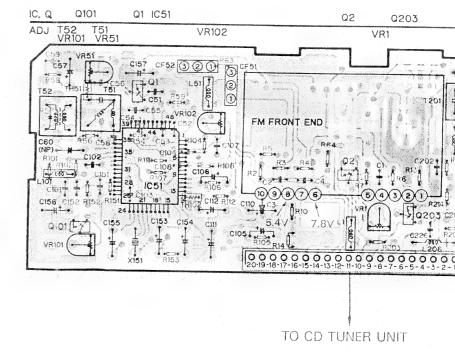
IC, Q Q101 Q1 IC51 0203 Q201 Q202 IC201 0205 ADJ T52 T51 VR101 VR51 VR102 VR1 T204 T206 | C153 C154 CU) TO CD TUNER UNIT

• FM/AM Tuner Unit (DEH-620/US)



Decimal points for resistor and capacitor fixed values are expressed as: 2.2-282 3.022-R022

(b) :Chip Transistor

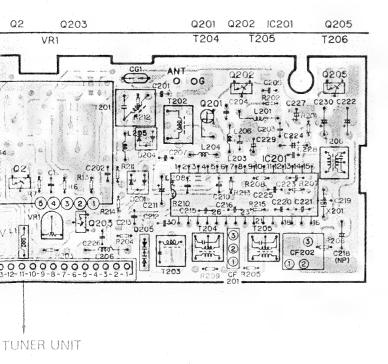


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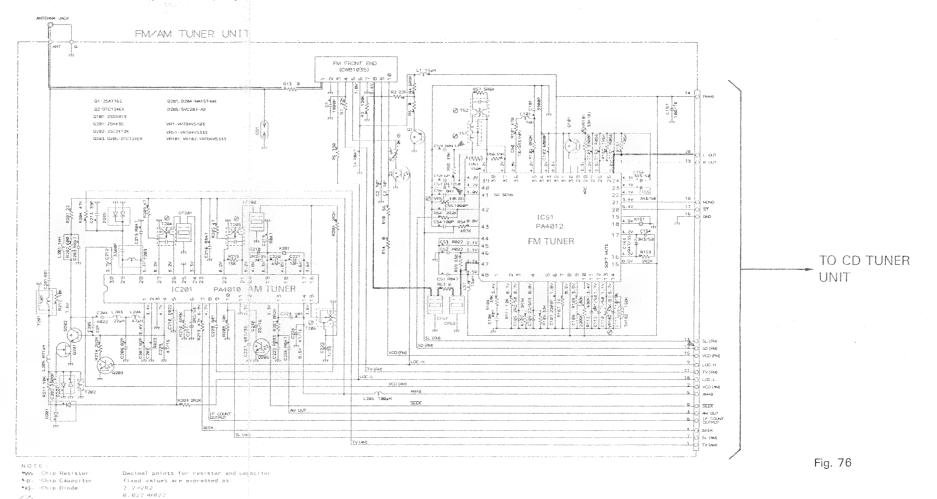
Fig. 73

FM TUNER TO CD TUNER UNIT

Fig. 74



• FM/AM Tuner Unit (DEH-750/ES)



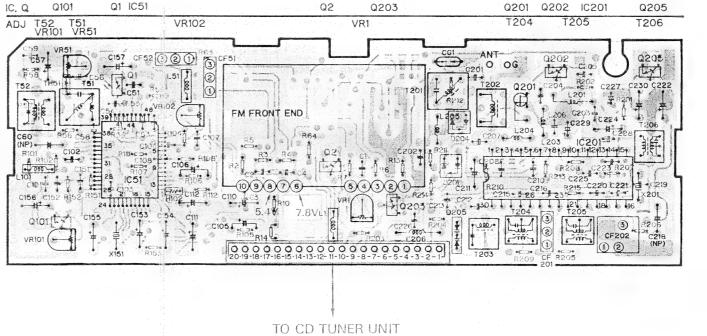


Fig. 77

11

Fig. 75

FM/AM TUNER UNIT JC51 PA4012 FM TUNER TO CD TUNER UNIT Decimal boints for resistor and capacitor fixed values are expressed as: 2-2420 0.022-R022 Fig. 78

Q51 Q2 Q203 Q201 Q202 IC201 Q205 ADJ T52 T51 VR101 VR51 VR102 T206 FM FROM TEND Fig. 79 TO CD TUNER UNIT

• FM/AM Tuner Unit (DEH-700/EW, DEH-600/EW)

FM/AM TUNER UNIT 16678 FM TUNER - TO CD TUNER UNIT NOTE:

*Wy :Chip Resistor

*He :Chip Capacitor

*Ke :Chip Diode Decimal points for resistor and capacitor fixed values are expressed as: 2.2-282 2.2-282 2.022-8022

Q1 IC51 0203 Q201 Q202 IC201 Q205 T206 VR102 Q202 Q205 Q205 Q205 Q204 R202 C227 C230 C222 FM FRONT END 20-19-18-17-16-16-14-13-12-11-10-9-8-7-6-5-4-3-2-1

Fig. 81

Fig. 80

TO CD TUNER UNIT

• FM/AM Tuner Unit (DEH-700/EW, DEH-600/EW)

FM/AM TUNER UNIT FM TUNER - TO CD TUNER UNIT NOTE

ONE STATE

ONE S Decimal points for resistor and capacitor fixed values are expressed as: 2.2-282 2.

IC. Q Q101 T206 VR102

Fig. 81

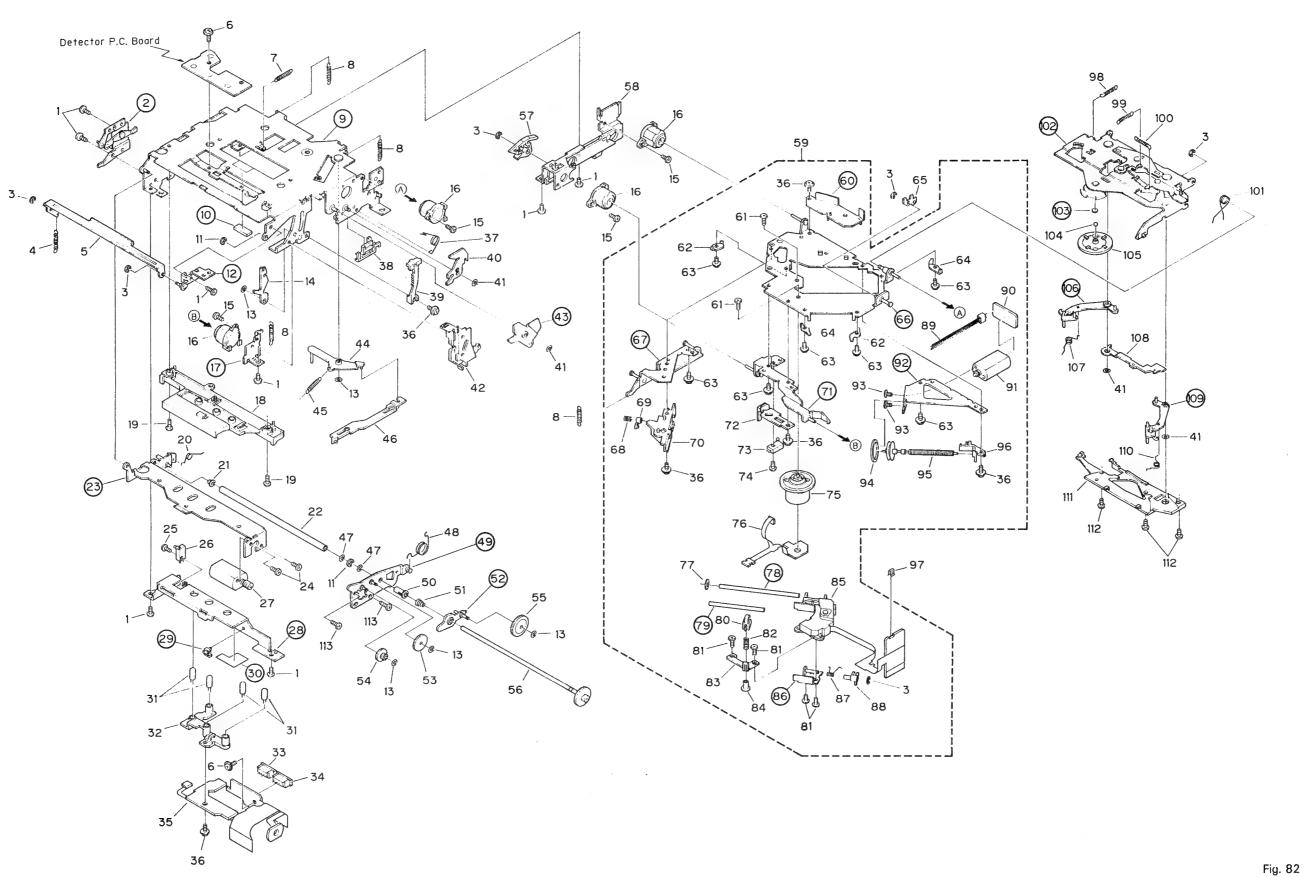
Fig. 80

TO CD TUNER UNIT

133

D

25.CD MECHANISM UNIT EXPLODED VIEW



Parts List

31 LED

32 Holder 33 Connector

34 Connector

35 P.C.Board

ruita List							
Mark No. Description	Part No.	Mark No. Description	Part No.	Mark No. Description	Part No.	Mark No. Description	Part No.
1 Screw	BMZ26P030FMC	36 Screw	CBA1075	70 Holder	CNV2485	95 Screw Unit	CXA2375
2 Bracket Unit		37 Spring	CBH1336	71 Holder Unit		96 Holder	CNV1781
3 Washer	YE15FUC	38 Holder	CNV1633	72 Holder	CNV2229	97 Short Pin	CBL1010
4 Spring	CBH1137	39 Gear	CNV2302	73 Switch	CSN1018	98 Spring	CBH1292
5 Arm	C N C 2 8 5 8	40 Arm	CNV2451	74 Screw	CBA1070	99 Spring	CBH1297
6 Screw	CBA1076	41 Washer	CBF1022	75 Motor Unit	CXM1054	100 Spring	CBH1296
7 Spring	CBH1136	42 Cover	CNV2452	76 P.C.Board	CNP2383	101 Spring	CBH1294
8 Spring	CBH1182	43 Arm Unit		77 Cushion	CNV1863	102 Arm Unit	
9 Chassis Unit		44 Arm	CNV2506	78 Shaft		103 Spacer	
10 Cushion		45 Spring	CBH1343	79 Shaft		104 Ball	CNR1079
11 Washer	YE20FUC	46 Lever	CNV2505	80 Holder	CNV1512	105 Clamper	CNV2411
12 Bracket Unit		47 Washer	HBF-126	81 Screw	CBA1062	106 Arm Unit	
13 Washer	CBF-166	48 Spring	CBH1133	82 Spring	CBH1105	107 Spring	CBH1295
14 Cam	CNV2535	49 Bracket Unit		83 Holder	CNC1736	108 Arm	CNV2228
15 Screw	CBA1118	50 Bearing	CNV2224	84 Screw	CLA1319	109 Arm Unit	
16 Damper Unit	CXA3339	51 Spring	CBH1181	85 PU Unit	CGY1015	110 Spring	CBH1293
17 Bracket		52 Arm Unit		86 Holder Unit		111 Guide	CNV2223
18 Guide	CNV2221	53 Gear	CNV1628	87 Spring	CBH1106	112 Screw	CBA1084
19 Screw	CBA1131	54 Gear	CNV1627	88 Luck	CNV1513	113 Screw	BMZ20P030FM
20 Spring	CBH1299	55 Gear	CNV1629	89 Connector	CDE2849		
21 Bearing	CNV1884	56 Gear Unit	CXA2990	90 P.C.Board	CNP2384		
22 Roller	CNV2225	57 Arm	CNV2510	91 Motor Unit	CXA3347		
23 Arm Unit		58 Bracket Unit		92 Bracket			
24 Screw	HBA-175	59 Carriage Mechanism	CXA3474	93 Screw	CBA-098		
25 Screw	CBA1070	Unit		94 Belt	CNT1020		
26 Switch	CSN1020	60 Guide					
27 Motor Unit	CXA2129	61 Screw	HBA-163				
28 Bracket		62 Holder	CNC1738				
29 Holder		63 Screw	PMS20P030FMC				
30 Insulator		64 Holder	CNC1739				

CXA3441

CBH1104

CNV1844

65 Arm Unit

68 Spring

69 Spacer

66 Chassis Unit

67 Bracket Unit

SLH-34VC3F

CNV2226

CKS-719

CKS-721

CNP2366

• Parts List (DEH-700SDK/WG)

	Mark		Description			Description	
Α	•		Display Unit	CWX1268		Plug	CKS-466
		2	Lamp	CEL-147	42	10	AN7188K
		3	Bush	CNW-766	43	Holder	
		4	Lamp	CEL1013	44	Holder	
		5	Plug	CKS1663	45	Amp Unit	CWH1083
			Holder	CNV2307	46	Connector	
	Ś	- 7	Lens	CNV2305	47-66		
		8	LCD	CAW1074	67	Holder	
		9	Case		6 8	Button	CAC2242
		10	Holder	CNC1484	69	Spring	CBH1314
		11	Plate		70	Screw	BMZ20P040FZK
		12	Screw	BMZ20P050FZK	71	Grille Unit	C X A 3 2 9 4
В		13	Grille	CNS1849	72	P. C. Board	CNP2253
		14	Holder		73	Screw	BPZ20P040FMC
		15	Lens	C N V 2 3 0 4	7 4	Button	CAC2238
		16	Cushion		75	Socket	CKS1664
		17	Button	CAC2243	76	Detach Unit	C X A 3 4 4 6
		18	Button	CAC2241	77	Shaft	
		19	Button	CAC2350	78	Washer	YE12FUC
		20	Button	CAC2351	79	Arm	CNV2483
		2 1	Stopper		80	Holder	CNV2306
		22	Grille Unit	CXA3435	8 1	Washer	YE15FUC
		23	Shaft		82	Spring	CBH1364
		2 4	Cushion		83	Shaft	
С		2 5	Cushion		8 4	Holder Unit	
		26	Button	CAC2240	85	Spring	CBH1315
		27	Button	CAC2239	86	Washer	WT22D050D025
		28	Button	CAC2344	87	Holder Unit	
		29	Button	CAC2345	88	Spring	CBH1328
		3 0	Button	CAC2346	89	Arm	
		3 1	Button	CAC2347	90	Shaft	
		3 2	Button	CAC2348	9 1	Holder Unit	
		3 3	Button	CAC2349	92	Screw	BMZ20P040FMC
		3 4	Handle	CNC1631	93	Switch	CSN1012
		3 5	Panel	CNS1911	9 4	Screw	BMZ20P060FMC
D		36	Spring	CBH-865	9 5	Cord	CDE2626
			Screw	BMZ30P140FMC	96-105	• • • • •	
		38	Screw	BMZ30P050FMC	106	Case	
		39	Heat Sink		107	Holder	
		40	Holder		108	FM Front End	CWB 1 0 3 5

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- Parts marked by "

 " are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

Mark	No.	Description	Part No.	Mark	Νo.	Description	Part No.
		Insulator				Case	
	110	Plug (21P)			140	Insulator	
	111	Insulator			141	Screw	PMF26P060FMC
	112	Case		(1)	142	CD Mechanism Unit	C X K 2 4 0 0
	113	Antenna Jack	CKX1010		143	Cap	CNV1455
•	114	FM/AM Tuner Unit	CWE 1187		144	Cord	CDE2643
	115	Holder			145	• • • • •	
	116	Plug			146	Antenna Cable	CDH1104
	117	Holder			147	Screw	BMZ30P040FMC
	118	Plug			1 4 8	Bush	CNV1917
	119	• • • • • • • • • • • • • • • • • • • •			149	Screw	CBA1002
	120	Plug			150	Holder	
	121	Connector	CKS1535		151	Plate	
	122	Connector	CKS1572		152	Cord	CDE2642
	123	Connector	CKS1565		153	Resistor	RS1/2PS102JL
		Screw	HBA-165			Сар	CNS1472
	125	10	AN8377N			• • • • •	
	126	Plate				• • • • •	
	127	Screw	BMZ26P040FMC				
	178	Insulator			158	Holder	
	129	Screw	PMS26P040FMC		159	Screw	BMZ 2 6 P 1 4 0 FMC
	130	Holder			160	Washer	WT17D040D025
	131	Screw	CMZ26P040FMC		161	Screw	PMZ20P020FZK
		Holder				Spacer	
	133	Chassis Unit			163		
		Plate			164	Cushion	
		Holder					
(CWX1299				
		Screw	CBA1094				
	138	Caution Card	CRP1031				

● Parts List (DEH-700/EW, DEH-750/UC, DEH-750/ES, DEH-80/US) NSP:Non Spare Part

			DEH-700SDK /WG	DEH-700/EW	DEH-750/UC	DEH-750/ES	DEH-80/US
Mark	No.	Description	Part No.	Part No.	Part No.	Part No.	Part No.
•	1	Display Unit	CWX1268	CWX1268	CWX1265	CWX1265	CWX1265
0	4	Lamp	CEL1013	CEL1013	CEL1025	CEL1025	CEL1025
	22	Grille Unit	CXA3435	CXA3433	CXA3431	CXA3434	CXA3432
(45	Amp Unit	CWH1083	CWH1083	CWH1082	CWH1082	CWH1090
	106	Case	NSP	• • • •	• • • • •	••••	
	111	Insulator	NSP				
	112	Case	NSP				
•	114	FM/AM Tuner Unit	CWE1187	CWE1167	CWE1169	CWE1168	CWE1169
	119	Plug			••••		NSP
	130	Holder	NSP (A)	NSP (A)	NSP(B)	NSP(B)	NSP(C)
	133	Chassis Unit	NSP (A)	NSP(B)	NSP(B)	NSP(B)	NSP (B)
•	136	CD Tuner Unit	CWX1299	CWX1298	CWX1296	CWX1300	CWX1297
_	143	Cap	CNV1455	CNV1455			• • • • •
	144	Cord	CDE2643	CDE2643			
	152	Cord	CDE2642	CDE2642	CDE2641	CDE2641	CDE2625
	155	Cord			CDE2639	CDE2639	CDE2733
	156	Cord				• • • • •	CDE2640
	157	Сар	••••		CNW-829 (×2)	CNW-829 (× 2)	$CNW-829$ ($\times 4$)

• Parts List (DEH-650/UC)

Mark No.	Description	Part No.	Mark	No.	Description	Part No.
						CEL 1025
	Holder	CNC1484		100	Holder	CNV2307
11-33		-		101	Lens	CNV2305
	Handle	CNC1631		102	LCD	CAW1074
	Panel	CNS1911		103	Case	
3 3	ranei	0,10,10,1				
	Spring	CBH-865			P. C. Board	CNP 2 2 5 5
37	Screw				Display Unit	CWX12/3
38	Screw	BMZ30P050FMC			• • • •	
39	Heat Sink				Holder	
40	Holder			108	FM Front End	CWB 1 0 3 5
41	Plug	CKS-466		109	Insulator	
	10	AN7188K		110	Plug (20P)	
	Holder	*****			• • • •	
	Holder			112		
	Amp Unit	CWH1082		_	Antenna Jack	CKX1010
4.0	•			114	FM/AM Tuner Unit	CWF 1 1 6 9
	Connector				Holder	01121103
	Shaft	0.4.0.0.4.0				
	Button	CAC2243			Plug	
	Button	CAC2241			Holder	
50	Button	CAC2350		118	Piug	
5 1	Button	CAC2351				
52	Stopper			_	• • • • •	
53	Button	CAC2245		121	Connector	CKS1535
5 4	Grille Unit	CXA3296		122	Connector	CKS1572
5 5	Cushion			123	Connector	CKS1565
5.6	Lens	CNV2304		124	Screw	HBA-165
	Cushion	01112001			IC	AN8377N
	Cushion				Plate	
	Button	CAC2240			Screw	BMZ26P040FMC
	Button	CAC2239			Insulator	
•						
6 1	Button	CAC2344		129	Screw	PMS26P040FMC
6 2	? Button	CAC2345		1 3 0	Holder	
6.3	Button	CAC2346		1 3 1	Screw	CMZ26P040FMC
6.4	Button	CAC2347		132	Holder	
	Button	CAC2348		1 3 3	Chassis Unit	
R F	5 Button	CAC2349		134		
	5				Holder	
	Screw	BLZ20P050FMC	(CD Tuner Unit	CWX 1 3 0 2
	7 Bush	CNW-766			Screw	CBA1094
		CEL-147			3 Caution Card	CRP1031
9 8	8 Lamp	OLL" 147		100	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

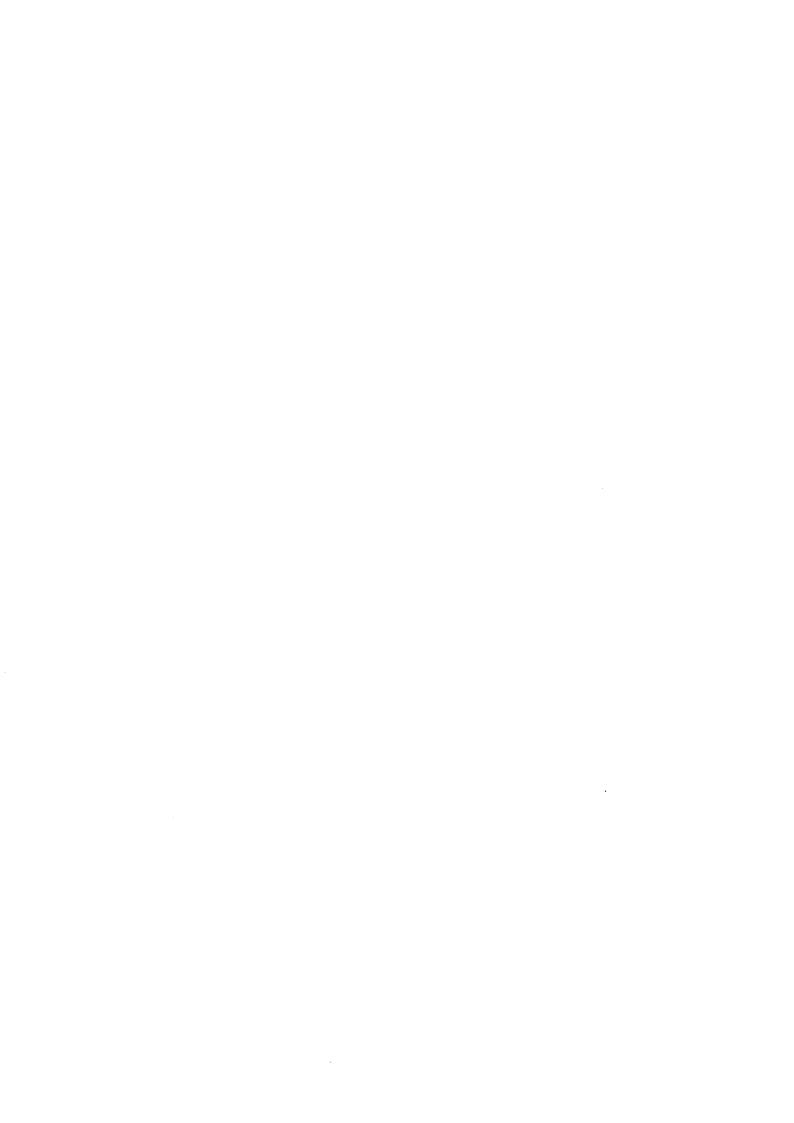


Mark	No.	Description	Part No.	Mark N	ο.	Description	Part No.
	139	Case		1:	54	Сар	CNS1472
	140	Insulator		1	55	Cord	CDE2639
	141	Screw	PMF26P060FMC	1	56	• • • • •	
•	142	CD Mechanism Unit	CXK2400	1	57	Cap (× 2)	CNW-829
143—	-145			1	58	• • • •	
	146	Antenna Cable	CDH1104	1 !	59	Screw	BMZ 2 6 P 1 4 0 FMC
	147	Screw	BMZ30P040FMC	160-10	62		
	148	Bush	CNV1917	1 (63	Spaer	
	149	Screw	CBA1002	10	64	Cushion	
	150	Holder					
	151	Plate					
	152	Cord	CDE2641				•
	153	Resistor	RS1/2PS102JL				

• Parts List (DEH-620/US, DEH-600/EW)

NSP:Non Spare Part

			DEH-650/UC	DEH-620/US	DEH-600/EW
Mark	No.	Description	Part No.	Part No.	Part No.
•	45	Amp Unit	CWH1082	CWH1082	CWH1083
	54	Grille Unit	CXA3296	CXA3297	CXA3609
	97	Bush	CNW-766 (× 5)	CNW-766 (×2)	CNW-766 (× 5)
	98	Lamp	CEL-147	• • • • •	CEL-147
	99	Lamp	CEL1025	CEL1025	CEL1013
•	105	Display Unit	CWX1275	CWX1277	CWX1310
•	114	FM/AM Tuner Unit	CWE1169	CWE1186	CWE1167
	130	Holder	NSP	NSP	NSP
•	136	CD Tuner Unit	CWX1302	CWX1303	CWX1309
	143	Сар		• • • •	CNV1455
	144	Cord			CDE2643
	152	Cord	CDE2641	CDE2641	CDE2642
	155	Cord	CDE2639	CDE2639	
	157	Cap (× 2)	CNW-829	CNW-829	



27.PACKING METHOD

• Parts List

NSP:Non Spare Part

			DEH-700 SDK/WG	DEH-700 /EW	DEH-750 /UC	DEH-750 /ES	DEH-80 /US	DEH-650 /UC	DEH-620 /US	DEH-600 /EW
Mark	No.	Description	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
	1	Carton	CHG1784	CHG1783	CHG1786	CHG1785	CHG1787	CHG1788	CHG1789	CHG1821
*	2-1	Owner's Manual	CRD1359	CRD1358 CRD1365	CRD1361	CRD1360	CR81159	CRD1364	CRD1363	CRD1388
	2 - 2	Caution Card	NSP							
	2 - 3	Caution Card	NSP	NSP	NSP	NSP	NSP	NSP	NSP	WSP
	2 - 4	Caution Card	NSP	NSP	NSP	MSP	NSP			NSP
	2 - 5	Caution Card					NSP			
	2 - 6	Card	NSP	NSP						NSP
	2 - 7	Passport	NSP							
	2 - 8	Seal	NSP	NSP	NSP	NSP	NSP	NSP	NSP	NSP
	2 - 9	Card			NSP		NSP	NSP	NSP	
	3	Styrofoam(R)	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332
	4	Cover	CEG1064	CEG1064	CEG1064	CEG1064	CEG1064	CEG1064	CFG1064	CEG1064
*	5	Accessory Assy	CEA1381	CEA1381	C1A1381	CEA1381	CEA1381	CEA1381	CFA1381	CEA1381
	6	Cord	CD1 26 42	CD17647	CD17641	CD12641	CD12625	CDE2641	CD17641	CD17642
	1	Panel	CNS 1911	CHS1911	CNS1911	CNS1911	CNS1911	CMS1911	CNS1911	CNS1911
	8 1	Case	NSP	NSP	NSP	NSP	NSP			• • • • • • • • • • • • • • • • • • • •
		for Detach Grille								
	8 - 2	Cover	CEG1072	CEG1077	CEG1072	CEG1072	CEG1072			
	9	Contain Box			CHI 1786		CHI 1787	CHE 1788	CHL 1789	
	10	Styrofoam(L)	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331

Mark No.	Description	Part No.	Mark No.	Description	Part No.
5-1	Screw Assy		5-2	Strap	CNF-111
5-1-1	Screw(×4)	BM740P080FMC	5-3	Bush	CNV1917
5-1-2	Screw(×4)	BMZ50P080FMC	5 - 4	Spring(×2)	CBH-865
5-1-3	Screw(×1)	CBA-102	5-5	Handle (× 2)	CNC1631
5-1-4	Screw(×1)	CBA1002			
5-1-5	Nut (× 2)	NESOFMC	ľ		

* 2-1 Owner's Manual

Part No.	Madel	Language
CRD1359	DEH-700SDK/WG	German, French
CRD1358	DEH-700/EW	English, French, German, Spanish
CRD1365	DEH-700/EW	Swedish, Norwegian, Dutch, Finnish
CRD1361	DEH-750/UC	English, French
CRD1360	DEH-750/ES	English, French, Spanish, Arabic
CRB1159	DEH-80/US	English
CRD1364	DEH-650/UC	English, French
CRD1363	DEH-620/US	English, Spanish
CRD1388	DEH-600/EW	English, French, German, Dutch

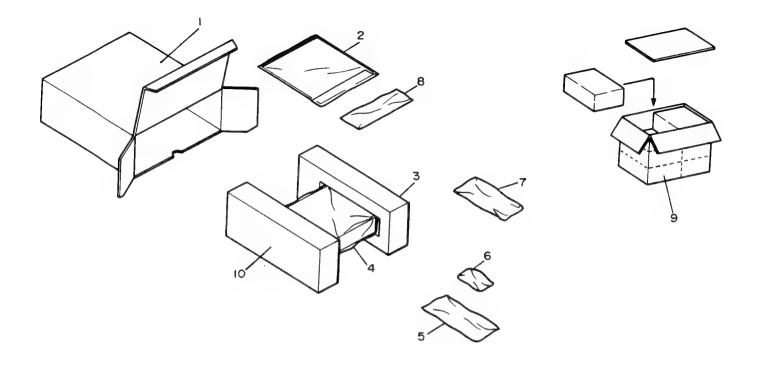


Fig. 84

28.ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/8S - J. RS1/10S - J

Chip Capacitor (except for CQS.....)
CKS...., CCS....., CSZS.....

Unit Number:		Mark ======= Circuit Symbol & No. ==== Part Name P	art No.
Unit Name : CD Tuner Unit(DEH-750/UC)		BB 444	
			PV1010
MISCELLANEOUS			RZ-C07DK220
		VR 351 Semi-fixed C	CP1005
Mark ====== Circuit Symbol & No. ==== Part Name	Part No.		
			CP1006
IC 351	CXA10810		CP1015
IC 451 655 657 662 706	M5218FP	VR 651 Semi-fixed 47kΩ (B) C	CP1023
1C 452	CWW1213	X 501 Crystal Resonator C	\$\$1030
IC 501	LC7218M	X 701 Crystal Resonator C	\$\$1052
1C 601	CXA1082BQ		
		X 751 Crystal Resonator C	\$\$1023
fC 651	AH8377N	· · · · · · · · · · · · · · · · · · ·	CX1006
IC 668 669	LA6501-FA		CX1007
IC 701	CXD1167Q	FM/AM Tuner Unit	
IC 703	SM5807ES-M	tag yan tanat anti-	
10 704	LC7881MBM	RESISTORS	
10 104	LOTOTIMOM	450141443	
IC 705	UPC358G2	Mark ======= Circuit Symbol & No. ==== Part Name P	art No.
10 751	PD4231	VIIVOIL SYMBOL W NO INIT NAME !	
10 752	M51955AFP		S1/10S103J
1C 753	M54546AL		· .
			D1/4PS221JL
10 852	M5228FP		\$1/10\$473J
			S1/10S513J
IC 961	PA2018	R 351 352 R	D1/4P\$110JL
Q 351	2SB1243		
0 352 451 505 601 705 758 759 Chip Transistor	UN2211	R 353 381 658 659 717 718 723 724 776 R	\$1/10\$102J
Q 453 454 851 852 853 854 Chip Transistor	DTC323TK	R 354 378 548 R	\$1/10\$153J
		R 355 610 R	\$1/10\$113J
Q 502 Chip Transistor	2503098	R 356 357 358 359 517 669 R	S1/10S563J
Q 503 504 510 513 Chip Transistor	2SC2712		S1/10S823J
Q 509 Chip Transistor	2SC3295		.,,
Q 602 603 Chip Transistor	2SD1048	R 362	S1/10S564J
0 651	2SD1760F5		\$1/10\$223J
			S1/10S105J
0 652 706 752 754 770 Chip Transistor	UN2111		
Q 653 753 Chip Transistor	2SD601A		\$1/10\$562J
Q 703 704 Chip Transistor	UN2215	R 379 620 R	S1/10S332J
0 751			
	2501859		S1/10S203J
0 755 756 757 761 762	2581238		S1/10S363J
		N 384 451 452 630 R	S1/10S273J
0 760 763 764 765 766 767 968 Chip Transistor		R 453	S1/105183J
0 855 967 Chip Transistor	UN2111	R 454 530 532 536 702 706 773 774 R	S1/10SOROJ
Q 856 Chip Transistor	258709		
0 965	2SD1684	R 455 456 R	S1/10S472J
D 451 452 501 502 504 961 Chip Diode	MA151WK-MT		151/105473J
			S1/10S332J
D 453 454 Chip Diode	MA3047H		\$1/10\$163J
D 456 701 851 852 853 Chip Diode	MA 15 1WA-MH		S1/10S222J
D 503 751 752 753 757 758 759 760 762 Chip Diode		100 101 100 001 000 000 000 000 000 N	,
D 652	RD11JS81	R 470 471 516 609 614 619 627 725 726 764 R	S1/10S104J
D 653 754 964 965	ERA15-02VH	R 505 506 507 512 518 525 533 534 542 R	S1/10S472J
		R 508 523 634 796	S1/10S474J
D 661 662	HZS2ALL		\$1/10\$221J
D 755	RD6R8JS81		\$1/1083923
D 854 Chip Diode	MA3082H		
0 963	RD5R6JSB1	0 524 b	21/1021221
L 501 701 752 Ferri-Inductor	CTF1082		\$1/10\$122J
f AditA(42 talli-inacefal	V 1445		\$1/10\$222J
1 751 961 Ferri-Inductor	LAHIERY		\$1/10\$470J
• ***	LAU150K CTF1081		\$1/10\$101J
L 962 Inductor	V111001	R 545	S1/10S182J

R 611 RS1/10S432J R 612 RS1/10S623J C 519 628 760 C 527 529 R 613 RS1/10S624J C 534 611 625 626 R 616 651 653 RS1/10S163J C 535 R 621 RS1/10S184J C 601 623 724 R 624 652 666 865 866 RS1/10S393J	CCSGSL561J50 CEALNP4R7M16 CKSYB104K25 CKSQYB104K25 CCSGSL101J50
R 606 623 RS1/10S224J C 506 621 R 607 760 RS1/10S683J C 517 518 605 612 R 611 RS1/10S623J C 517 518 605 612 R 612 RS1/10S623J C 519 628 760 C 527 529 R 613 RS1/10S624J C 534 611 625 626 R 616 651 653 RS1/10S624J C 535 R 621 RS1/10S163J C 535 R 621 RS1/10S184J C 601 623 724	2 620 656 701 702 705 764 CKSYB104K25 CKSQYB104K25 CCSQSL101J50
R 507 760 RS1/108683J C 517 518 605 612 R 611 RS1/108432J C 519 628 760 C 527 529 R 613 RS1/108624J C 534 611 625 626 R 616 651 653 RS1/108624J C 535 R 621 RS1/108184J C 601 623 724 R 624 652 666 865 866 RS1/108393J	CKSQYB104K25 CCSQSL101J50
R 612 R\$1/10\$623J U 519 628 760 C 527 529 R 613 R\$1/10\$624J C 534 611 625 626 R 616 651 653 R\$1/10\$163J C 535 R 621 R\$1/10\$184J C 601 623 724 R 624 652 666 865 866 R\$1/10\$393J	CCSQSL101J50
R 612 RS1/10S623J C 519 628 760 C 527 529 R 613 RS1/10S624J C 534 611 625 626 R 616 651 653 RS1/10S163J C 535 R 621 RS1/10S184J C 601 623 724 R 624 652 666 865 866 RS1/10S393J	CCSQSL101J50
C 527 529 R 613 RS1/108624J C 534 611 625 626 R 616 651 653 RS1/108163J C 535 R 621 RS1/108184J C 601 623 724 R 624 652 666 865 866 RS1/108393J	
R 616 651 653 R\$1/10\$163J C 535 R 621 R\$1/10\$184J C 601 623 724 R 624 652 666 865 866 R\$1/10\$393J	
R 616 651 653 R\$1/10\$163J C 535 R 621 R\$1/10\$184J C 601 623 724 R 624 652 666 865 866 R\$1/10\$393J	6 652 662 676 678 709 710 CKSQYB103K50
R 621 RS1/10S184J C 601 623 724 R 624 652 666 865 866 RS1/10S393J	CCCSL330J50
	CKSQYB222K50
B01/1801831 A AAC 646 341 346	
R 628 668 RS1/10S183J C 606 616 711 712	2 CEA220M10LS
C 598	CEALNP220M16
R 635 694 721 722 RS1/105822J G 609 715	CKSQYB472K50
R 637 657 660 690 RS1/105272J C 510	CCSOCH221J50
R 644 RS1/10S362J C 613	CKSQYB223K25
R 654 RS1/10S150J	
R 672 RS1/108364J C 617	CEA4R7M35LS
C 518	CKSQYB272K50
R 673 697 729 738 732 733 734 735 736 753 R\$1/10\$473J C 629 713 714	CKSQYB683K25
R 674 RS1/10S133J C 655	CCSQSL681J50
R 676 677 RS1/105201J E 661 666	220 u F/10V CCH1015
R 892 695 703 709 737 739 741 745 746 747 RS1/10S103J	
R 693 696 R\$1/10\$5R6J C 703 704	CCSQCH090D50
E 716	CKSQYB472K25
R 704 727 728 784 863 864 883 884 R\$1/10\$472J 6 717 718 753 972	2 CCSQCH471J50
R 711 712 719 720 R\$1/18\$511J C 719 720	CKSQYB682K50
R 713 714 RS1/10S181J C 721	CEA330M10LS
R 715 716 RS1/10S244J	
R 742 743 744 754 756 758 RS1/8S182J C 751	CKSQYB103K50
C 752	CEAGR8M35LS
R 749 762 763 786 792 794 886 RS1/10S103J E 754	Trimmer CCL1017
R 750 RS1/10S562J C 755	CCSQCH040C50
R 751 752 RS1/105151J C 761 763 974 977	7 979 CKSQYB473K25
R 755 757 759 795 797 798 799 RD1/4PS103JL	
R 761 788 791 793 872 RS1/105473J C 762	CKSQYB102K25
C 853 854	CEA100M25LS
R 766 768 770 785 871 RS1/10S104J G 961	1000 µ F/16V CCH1003
R 778 RS1/105752J C 982	CEA010M50LS2
R 787 789 790 RS1/10S222J C 963	CEAOR1M50LS2
R 859 860 887 892 894 RS1/10SOROJ	
R 867 868 964 RS1/10S102J C 964 965 966	CEA470M16LS
C 970	CEA100M10LS2
R 873 874 897 898 Chip Resistor 4.7kΩ CCN1023 C 971	CKSYB104K25
R 875 876 879 880 Chip Resistor 12kΩ CCN1026 C 978	CEA100M16LS2
R 885 RS1/10S682J C 980	CEA330M16LS
R 961 RS1/10S220J	
R 1001 1002 1003 RD1/4PS103JL	

CAPACITORS

Mark			:::	Cire	cuit	Sym	bol i	& No.			Part	Hane	Part No.
	G	351	707	708	874	973							CEA101M6R3LS
	ē			505			522	523	525	526			CKSQYB103K50
	č		654										CKSQY8333K25
	C	354	• • •										CASA100M6R3
	Č	356											CKSQYB332K50
	c	357	360	361	614	630	651	653	663	758			CKSY8224K25
	C	358	503	510	511	528	607	665	675	617	151		CKSQYB473K25
	c	370	373	627	877	878	879	880					CCSQCH220J50
	c	371	509	615	858								CKSQYB102K50
	C	372											CC\$QCH150J50
	c	451	452										CEAZZOMERBLS
	C	453	454										CEALNP4R7M35
	C	455	456										CEA4R7M50LS
	C	457	458	865	868	869	870	871	872				CCSCH330J50
	C	459	460	863	864	967	968	969	976				CEATOIMTOLS
	С	461	462	659	689	759	855	856					CEA100M25LS
	c	501	502										CCSQCH270J50

00 Tunor Unit	DEH-750/UC	DEH-750/ES	DEH-80\A2	DEH-650/UC	DEH-620/US
Symbol & No.	Part No.	Part No.	Part No.	Part No.	Part No.
10851			M5218FP		
0451	UN2211	UN2211	UN2211	DTC114EU	UM2211
0761.762	2581238	2581238	2581238	2SB1238	
0763, 764	UN2211	UN2211	UN2211	UN2211	
0765, 767	UN2211	UN2211	UM2211	UH2211	
0457				MA151A-MA	
0751, 752, 753	MA153-MC	MA153-MC	MA 153-MC		
0757, 758, 759	MA153-MC	MA153-MC	MA153-MC .		
0760	MA153-MC	MA153-MC	MA153-MC		
SW401		••••	CSH-073		
R454	RS1/10S0R0J	R\$1/1050R0J	RS1/10SOR0J		RS1/1050R0J
R465				RD1/4PS103JL	
R747, 749	R\$1/105103J	R\$1/105103J	R\$1/105103J	R\$1/10\$103J	
R748, 750	R\$1/105562J	R\$1/105562J	RS1/18S562J	RS1/105562J	
R772		R\$1/16\$302J			
R773	RS1/10S6R0J	R\$1/105511J	RS1/10S0R0J	R\$1/10SOR0J	RS1/1050R03
R774	R\$1/1050R03	RS1/10S0R0J	R\$1/10\$0R0J	R\$1/18\$307J	R\$1/1050R0J
R775				R\$1/10\$752J -	
R851, 852			R\$1/105472J		
R853, 854			R\$1/305682J		
R855, 856			R\$1/10\$152J		
R857, 858			RS1/103622J		
R875, 876	CCH1028 (12k (2)	CCM1826 (12kQ)	CC#1925 (1810)	CCM1026 (12k(2))	CCN1026 (1210)
R877. 878	****		CCH 1023 4. 7k \(\O \)		
R879 880	CCM1026 (12k\O)	CC#1028 (12k\O)	CCN 1925 (1810)	CCH1026 (12k(2)	CC#1026 (12±Ω)
R881. 882	RS1/10S3923	R51/105392J	R\$1/18\$472J	RS1/10S392J	R\$1/10\$392J
R889	*****	• • • • •	RS1/10SORDJ		
R892	RS1/10S0R0J	RS1/1050R0J	MS1/10S103J	R\$1/1650R0J	MS1/1050R0J
R897, 898	CCN1023 4. 7kΩ	CCH1823 4.7kΩ		CCH1023 4.7kΩ	CCN1023 4.7LQ
C859, 860			CEA 100M25LS		
C861, 862	*****	• • • • •	CCSCH330J50	****	
C875, 876		*****	CKSOYB182K25		

Unit Number : Unit Name : CD Tuner Unit(DEH-700SDK/WG)

MISCELLANEOUS

-											Name		No.
		351										CXAT	
			555	657	662	706						M5211	
		452										CWW1	
		501										LC72	1 8 M
	10	502										KHAT	12
		60 t										CXAI	8280
		651										AN83	77 N
		668	669									LA65	1-FA
	10	701										CXD1	1670
	10	703										SM581	17ES-M
	10	704										LC781	BIMBM
	10	705										UPC3	58G2
	10	751										PD423	31
	10	752										M5195	SSAFP
	10	753										M5454	IGAL
	10	852										M5228	FP
	10	961										PA20	18
	0	351										2 S B 1 2	143
	0	352	451	505	601	705	758	759	Chip	Trans	sistor	UN221	11
	0	453	454	851	852	853	854	Chi	p Trai	nsist	o r	DTC32	3 T K
	0	455	856				Chi	p Tra	nsiste	r		25870	19
	0	502					Chi	p Tra	nsisto	r		25030	198
	0	503	504	510	513	514	Chi	p Tra	nsiste	r		2 S C 2 7	112
		508										UN221	2
	Q	509							nsisto			2 S C 3 2	
		ĺ						•					
	0	703	704				Chi	о Тга	asisto	or		UN 2 2 1	15
	Q	602	603						nsiste			2SD10	-

															Part	No.
0								-		-					250176	 10F5
_		706	752	754	770	Chi	ia	Te		. i :	: † c	r			UN2111	
0		753				Chi									2 S D 6 0 1	
-	• • • •					0.11	٠,			• • •		''			20000	
Q	751														2 S D 1 8 S	5 9
Q	755	756	757	761	762										258123	8
G	760	763	764	765	766	767	96	8	C	ı i ş	1	га	nsi	stor	UN2211	l
Q	855	967				Chi	i p	Tr	. n :	ii	ito	r			UN2111	
Q	965						•								2SD168	14
6	451	452	501	502	504	961	С	hii	p i) i (d e				MA 151W	K-MT
D	453	454				Chi	ip	0 i	ode	ŀ					MA3047	H
D	455	456	701	851	852	853		Ch	i p	Di	od	8			MA 151W	/A-MN
D	503	751	752	753	757	758	75	9	76(1	6 2	C	hip	Diode	MA153-	MC.
D	652														RD11JS	81
Đ	653	754	964	965											ERA15-	02VH
D	661	662													HZS2AL	.1
D	755														RDSR8J	S81
D	854					Chi	ip	D i	o d e	1					MA3082	н
D	963														RD5R6J	ISB!
•														•		
ι	501	701	752			Fer	rri	-1	n d e	1 C 1	e r				CTF108	12
l	751	961				Fer	rri	-1	ndı	101	or				LAU150	K
l	962					Inc	fuc	t o	r						CTF108	11
BP	401					Buz	2 2 0	٢							CPV101	0
G	900					Sur	g e	A	b s	ri) B F				ERZ-CO	7DK220
V D	351					Ses	• i -	4 i :	v 4 i						CCP100	15
	352					See									CCP100	
	604											k C) (R)	CCP101	-
	651					Sea								•	CCP102	
	501					Cri									CSS103	
••	•••						, • •	•	***							
X	502					Cri	yst	a i	R	8 (กล	to	r		CSS106	61
X	701					Cr	yst	a f	R	8 5 0	s n c	to	r		C\$\$105	52
X	751					Cr	yst	a I	R	8 6	B A C	to	r		C\$\$102	23
TH	351					The	erm	i s	tes						CCXIDE	6
TH	751					The	erm	is	te	r					CCX100	17

FM/AM Tuner Unit

Mark	==	====		Cir	cuit	Sym	ol 8	i No.	=:	F	art	Name	Part No.	
	R	334	472	473	522	541	622	670	691				R\$1/10\$103	J
	R	341											RD1/4PS221	Jί
	R	344	367	511	514	515	636	643					RS1/10S473	J
	R	345											R\$1/10\$513	J
	R	351	352										RD1/4P\$110	J٤
	R	353	381	658	659	717	718	723	724	776			RS1/10S102	J
	R	354	378	548									RS1/10S153	J
	R	355	610										RS1/10S113	j
	R	356	357	358	359	517	669						R\$1/10\$563	J
	R	360	361	383	608								RS1/10S823	J
	R	362											RS1/10S564	J
	R	363	895	896	962								RS1/10S223	J
	R	364	365	618	671								RS1/10S105	J
	R	366	377	665	738	740	748						RS1/10S562	J
	R	379	620										RS1/10S332	J
	R	380	617	625									RS1/10S203	J
	8	382	667										RS1/10S363	J
	R	384	451	452	630								RS1/10S273	J
	R	453											RS1/10S183	J
	R	454	530	532	536	537	702	706					R\$1/1050R0	J
	R	455	456										RS1/10S472	J
	R	457	458										RS1/10S473	J
	R	459	460										RS1/10S332	J
	g	461	462										RS1/10S163	J
	R	463	464	469	501	502	503	504	509	520	528		RS1/10S222	J

rk ======= Circuit Symbol & No. ==== Part Name	Part No.	Mark ====== Circuit Symbol-& No. ==== Part Name	Part No.
R 470 471 516 609 614 619 627 725 726 764	RS1/10S104J	0 356	CKSQYB332K5
R 505 506 507 512 518 525 533 534 542	RS1/10S472J		CKSYB224K25
R 508 523 634 796	R\$1/10\$474J	U 357 360 361 614 630 651 653 663 758	CKSQYB473K2
R 510	RS1/10S221J	n 358 503 510 511 528 607 665 675 677 757 C 370 373 627 877 878 879 880	CCSQCH220J5
R 519 545	R\$1/10\$182J	C 371 509 615 858	CKSQYB102K5
		C 372	CCSQCH150J5
R 524	R\$1/10\$122J	6 312	
R 526	RS1/10S684J	C 451 452	CEA220M6R3L
R 531 765 767 769 771 773 780 781 782 783	R\$1/10\$222J R\$1/10\$470J	C 453 454	CEALNP4R7M3
R 543	RS1/10S101J	C 455 456	CEA4R7M50LS
R - 544 546 601 602	N31/1031010	C 457 458 865 866 867 868 869 870 871 872	CCSCH330J50
R 547 779	R\$1/10\$821j	C 459 460 851 852 863 864 967 968 969 976	CEATOIMIOLS
R 606 623	RS1/10S224J		
R 607 760	R\$1/10\$683J	C 461 462 659 689 759 855 856	CEA100M25L1
R 611	RS1/10S432J	C 463 970	CEATOOMIOLS
R 612	RS1/10\$623J	C 501 502	CCSQCH270J
		C 504	CCSQSL561J
R 613	R\$1/105624J	C 506 621	CEALNP4R7M
R 616 651 653	R\$1/10\$163J	A 703	CSZSR47M20
R 621	R\$1/105184J	C 507	
R 624 652 666	RS1/10S393J	C 512 853 854	CEA220M16L CKSQYB683K
R 628 668 775	R\$1/10\$183J	C 515 629 713 714	CEA470M16L
	nn./1074001	C 516 964 965 966 C 517 518 605 612 620 656 701 702 705 764	CKSYB104K2
R 635 694 721 722	R\$1/105822J	C 211 219 902 017 050 939 tot to5 to2 to4	0.010104.2
R 637 657 660 690	RS1/10S272J	C 519 628 760	CKSQYB104K
R 644	R\$1/10\$362J R\$1/10\$392J	C 527 529	CCSQSL101J
R 645 881 882	RS1/1033923	C 530	CSZSR33M35
R 654	N31/1031303	C 533	CSZST4R7M
	RS1/10S364J	C 534 611 625 626 652 662 676 678 709 710	CKSQYB103
R 672 R 673 697 729 730 732 733 734 735 736 753	RS1/10S473J	* ***	
	RS1/10S133J	C 535	CCCSL330J5
R 674	RS1/10S201J	C 601 623 724	CKSQYB222K
R 676 677 R 692 695 703 709 737 739 741 745 746 747	R\$1/10\$103J	C 606 616 711 712	CEA220M10L
K 032 030 103 103 101 100 141 140 140 141		C 608	CEALNP220A
R 693 696	R\$1/10\$5R6J	C 609 715	CKSQYB472
R 704 727 728 784 883 884	R\$1/10\$472J	C 610	CCSQCH221.
R 711 712 719 720	R\$1/10\$511J	C 613	CKSQYB2231
R 713 714	R\$1/10\$181J	C 617	CEA4R7M35
R 715 716	R\$1/10\$244J	C 618	CKSQYB2721
		C 655	CCSQSL681
R 742 743 744 754 756 758	R\$1/8\$182J		
R 749 762 763 786 792 886 887	R\$1/10\$103J	C 661 666 220 µ F/10V	CCH1015
R 750	RS1/10S562J	C 703 704	CCSQCH090
R 751 752	R\$1/10\$151J	C 716	CKSQYB472
R 755 757 759 795 797 798 799	RD1/4PS103JL	C 717 718 753 972	CCSQCH471
	Det /1804291	C 719 720	CKSQYB682
R 761 788 791 793 872	RS1/10S473J		CEA330M10
R 766 768 770 785 871	RS1/10S104J	C 721	CKSQYB103
R 772 774	R\$1/10\$302J R\$1/10\$752J	C 751	CEAGR8M35
R 778	*	C 752	CCSQCH300
R 787 789 790 869 870	R\$1/10\$222J	1 755 756 0 351 752 074 077 070	CKSQYB473
R 859 860 863 864 Chip Resistor 4.7kΩ	CCN1023	C 761 763 974 977 979	*********
R 861 862 865 866 Chip Resistor 10kΩ	CCN1825	C 762 857	CKSQYB102
R 867 868 964	R\$1/10\$102J	C 961 1000 µ F/15V	CCH1003
R 873 874 897 898 Chip Resistor 4.7kΩ	CCN1023	C 962	CEAGIOMSO
R 875 876 879 880 Chip Resistor 12kΩ	CCN1026	C 963	CEAOR1M50
	001/140504	C 971	CKSYB104K
R 885	RS1/10S682J		
R 892 893	RS1/10S0R0J	C 978	CEA100M16
R 961	RS1/10S220J RD1/4PS103JL	C 980	CEA330M16
R 1001 1002 1003	NO 17 77 9 18 9 9 E		
PACITORS			
rk ======= Circuit Symbol & No. ==== Part Nam	e Part No.		
C 351 707 708 874 973	CEA101M6R3LS		

CEA101M6R3LS CKSQYB103K50 CKSQYB333K25 CASA100M6R3

C 351 707 708 874 973 C 352 355 505 513 520 521 522 523 525 526 C 353 554 657 C 354

D				(5m)				G #0	. ==== Part Na 	
uner Unit	DEH-700SDK/WG	DEH-700/EW	DEH-600	/EW	CF CF	51 52 281			c filter c filter	CTF-182 CTF1041
ymbol & No.	Part No.	Part No.	Part No					COTAMI	c riiter	
C 5 0 2	KHA172:-				CF :			Filter		CTF 1085
455	2SB709				X				c Resonator	C\$\$1055
					х :			-	i Resonator	CSS1014
514	2502712				VR	1		Semi-f	ixed 10kΩ (B)	VRTB4VS103
455	MA151WA-MN	1	1		VR	51 101	102	Semi-f	ixed 33kΩ (B)	VRTB4VS333
751 752 753	MA 153-MC	MA 153 - MC						FM Fro	nt End	CWB 1035
757 758 759	MA153-MC	MA153-MC			RESISTOR	\$				
760	MA 153-MC	MA153-MC			Mark ===		Circuit	Symbol & Mr	. ==== Part Na	me Part No.
502	CSS1061 ,	****					o i i cui c	37m331 & H	81 88	ME FELL NO.
472, 473	R\$1/10\$103J				D	2 7				001/100000
514	RS1/10S473J				R	3				RS1/10S223J
					8	4				R\$1/10\$124J
526	RS1/10S684J				R					RS1/10S682J
528	RS1/10S222J				R	5 13				RS1/10S0R0J
537	RS1/10SOROJ				R	6 59	101			RS1/10S331J
		1	RS1/10S	1224		10				Be1/1005001
773	RS1/10S222J	RS1/10S122J	1		R	10				R\$1/10\$560J
775	RS1/10S183J	RS1/10S183J	RS1/10S	**(1	R	54				RS1/10S472J
400					R	56 58	104			RS1/10S393J
463	CEA180M18LS2		*****		R	57				RS1/10S562J
512	CEA220M16LS				R	60				R\$1/10\$473J
513	CKSQYB103K50									
515	CKSQYB683K25				R	61 105				RS1/10S332J
516	CEA470M16LS				R	64				RS1/10S222J
					n 8					RS1/10S822J
529	CCSQSL101J50	CCSQSL221J50	CCSQSL2	21,150	R					RS1/10S333J
530	CSZSR33M35									
533	CSZST4R7M35				R	107				RS1/10S102J
					R	108				RS1/10S104J
						111				K2 I \ I N 2 I \ 2 7
it Number :					R					RS1/10S123J RS1/10S684J
it Number :		hit (DFH-708SDK/WG)	1		R R	112	153			R\$1/10\$684J
		oit (DEH-700SDK/WG))		R R R	112 151 152	153	•		RS1/10S684J RS1/10S222J
it Name :		nit (DEH-700SDK/WG))		R R	112 151 152	153	•		R\$1/10\$684J
		sit (DEH-700SDK/WG))		R R R	112 151 152 201	153	,		RS1/10S684J RS1/10S222J RS1/10S220J
it Name :	; FM/AM Tuner Ui			Part No.	R R R	112 151 152 201 202				RS1/105684J RS1/105222J RS1/105220J RS1/105681J
it Name :	; FM/AM Tuner Ui	nit (DEH-700SDK/WG)		Part No.	R R R R	112 151 152 201 202 203 206				RS1/105684J RS1/105222J RS1/105220J RS1/105681J RS1/105222J
it Name : SCELLANEOUS rk =========	; FM/AM Tuner Ui				R R R R	112 151 152 201 202 203 206 204 213				RS1/108884J RS1/108222J RS1/108220J RS1/108681J RS1/108222J RS1/108473J
it Name : SCELLANEOUS rk ===================================	; FM/AM Tuner Ui			PA4012	R R R R R	112 151 152 201 202 203 206 204 213 205 209				RS1/108884J RS1/108222J RS1/108220J RS1/108681J RS1/108222J RS1/108473J RS1/108470J
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Us - Circuit Symbo	ol & No. ==== Pai		PA4012 PA4010	R R R R	112 151 152 201 202 203 206 204 213 205 209				RS1/108884J RS1/108222J RS1/108220J RS1/108681J RS1/108222J RS1/108473J
it Name : SCELLANEOUS rk ======== iC 51 iC 201 Q 1	: FM/AM Tuner Ui - Circuit Symbo	ol & No. ==== Pai		PA4012 PA4010 2SB709	R R R R R R	112 151 152 201 202 203 206 204 213 205 209 207	214			RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S822J
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20	: FM/AM Tuner Us - Circuit Symbo	ol & Wo. ==== Pai		PA4012 PA4010 2SB709 DTC124EK	R R R R R R	112 151 152 201 202 203 206 204 213 205 209 207	214			RS1/108884J RS1/108222J RS1/108220J RS1/108681J RS1/108222J RS1/108473J RS1/108470J
it Name : SCELLANEOUS rk ======== iC 51 iC 201 Q 1	: FM/AM Tuner Ui - Circuit Symbo	ol & No. ==== Pai		PA4012 PA4010 2SB709	R R R R R R	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210	214			RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S470J RS1/10S822J RS1/10S822J RS1/10S682J
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51	: FM/AM Tuner Un - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor		PA4012 PA4010 25B709 DTC124EK DTA114TK	R R R R R R R	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215	214			RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S472J
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 200 0 51	: FM/AM Tuner Un - Circuit Symbo	ol & Wo. ==== Pai		PA4012 PA4010 2SB709 DTC124EK	R R R R R R	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215	214			RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S470J RS1/10S822J RS1/10S822J RS1/10S682J
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Un - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor		PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215	214	Symbol & Ho	. www. Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S470J RS1/10S822J RS1/10S103J RS1/10S153J
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Un	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor		PA4012 PA4010 258709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215	214	Symbol & Ho	, ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S470J RS1/10S822J RS1/10S103J RS1/10S153J
it Name : SCELLANEOUS rk ======== iC 51 IC 201 Q 1 Q 2 20 Q 51 Q 101 Q 201 Q 202 D 201 202	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR	R R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S470J RS1/10S822J RS1/10S103J RS1/10S153J
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K	R R R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Mo	, ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S222J RS1/10S472J RS1/10S472J RS1/10S422J RS1/10S822J RS1/10S622J RS1/10S153J
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20 0 51 Q 101 Q 201 Q 201 Q 202 D 201 20 D 205	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB	R R R R R R R R CAPACITOI	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S622J RS1/10S622J RS1/10S153J
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51 0 101 0 201 0 202 0 201 0 202 0 205 L 1 5	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode	rt Name	PA4012 PA4010 25B709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104	R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & No	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S470J RS1/10S470J RS1/10S470J RS1/10S622J RS1/10S150J RS1/10S150J
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51 0 201 0 201 0 201 0 202 0 201 20 0 205 L 1 5 L 2	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode	rt Name	PA4012 PA4010 25B709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086	R R R R R R R R R CAPACITOI	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S470J RS1/10S822J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB103K5 CKSQYF47322 CKSQYB223K2
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126	R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S220J RS1/10S222J RS1/10S470J RS1/10S470J RS1/10S470J RS1/10S622J RS1/10S150J RS1/10S150J
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51 0 201 0 201 0 201 0 202 0 201 20 0 205 L 1 5 L 2	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode	rt Name	PA4012 PA4010 25B709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086	R R R R R R R R R CAPACITOI	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Mo	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S470J RS1/10S822J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB103K5 CKSQYF47322 CKSQYB223K2
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126	R R R R R R R R R CAPACITOI	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S470J RS1/10S822J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB103K5 CKSQYF47322 CKSQYB223K2
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF11084	R R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S822J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB102K5 CKSQYB103K5
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF11084 LAU220K	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S822J RS1/10S822J RS1/10S822J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10472
it Name : SCELLAHEOUS rk ======== iC 51 iC 201 0 1 0 2 20 0 51 0 201 0 202 0 201 20 0 205 L 1 5 L 2 L 101 L 201 L 203 L 204	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1106 CTF11084 LAU220K	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ======= 1 2 3 4 51 52 53 54 55 56 57	214 212 Circuit	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S470J RS1/10S422J RS1/10S422J RS1/10S452J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYF10472 CKSQYB102K5 CKSQYF10472 CEAR47M50LS
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU470K	R R R R R R R CAPACITOI Mark ==== C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ===================================	214 212 Circuit	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S22J RS1/10S22J RS1/10S281J RS1/10S22J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S822J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQY8103K5 CKSQY8103K5 CKSQY8103K5 CKSQYF47322 CKSQYB103K5 CKSQYF47322 CKSQYB103K5 CKSQYF47322 CKSQYB103K5 CKSQYF47322 CKSQYB10472 CKSQYB10472 CKSQYB10472 CCSQCH060D5
it Name :: SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU470K LAU470K LAU477K CTF-157	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ======= 1 2 3 4 51 52 53 54 55 56 57	214 212 Circuit	Symbol & Ho	. === Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S470J RS1/10S422J RS1/10S422J RS1/10S452J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYF10472 CKSQYB102K5 CKSQYF10472 CEAR47M50LS
it Name :: SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU420K LAU470K LAU477K CTF-157 CTE1021	R R R R R R R CAPACITOI Mark ==== C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S62J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB103K5 CKSQYF47322 CKSQYB103K5 CKSQYF47322 CKSQYB103K5 CKSQYF47322 CKSQYB102K5 CKSQYF47322 CKSQYB102K5 CKSQYB102K5 CKSQYF47322 CKSQYB102K5
it Name :: SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU470K LAU470K LAU477K CTF-157	R R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54 55 56 57 57 58 60	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S470J RS1/10S822J RS1/10S103J RS1/10S682J RS1/10S103J RS1/10S10J
it Name :: SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU420K LAU470K LAU477K CTF-157 CTE1021	R R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10ZES CCSQCH00J5 CEALMP100M6 CKSQYB82ZK5 CKSQYB82ZK5 CKSQYB82ZK5 CKSQYB82ZK5
it Name :: SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU420K LAU470K LAU477K CTF-157 CTE1021	R R R R R R R R CAPACITOI Mark ====	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & No	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S470J RS1/10S822J RS1/10S103J RS1/10S682J RS1/10S103J RS1/10S10J
it Name : SCELLANEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1106 CTF11084 LAU220K LAU470K LAU470K CTF-157 CTE1021 CTE1022	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10ZES CCSQCH00J5 CEALMP100M6 CKSQYB82ZK5 CKSQYB82ZK5 CKSQYB82ZK5 CKSQYB82ZK5
it Name : SCELLANEOUS Tk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF11084 LAU220K LAU470K LAU470K LAU477K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004	R R R R R R R CAPACITO	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S822J RS1/10S822J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB103K5 CKSQYB10X5
it Name : SCELLAHEOUS Tk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU477K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004 CTB1040	R R R R R R R CAPACITOI Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Ho	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S822J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J CKSQYB102K5 CKSQYB822K5 CKSQYB822K5 CKSQYB392K5
it Name : SCELLAHEOUS rk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU470K LAU470K LTF157 CTE1021 CTE1022 CTB1020 CTB1024 CTB1040 CTE1037	R R R R R R R CAPACITO Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ======= 1 2 3 4 51 52 53 54 55 56 57 58 60	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S22J RS1/10S22J RS1/10S281J RS1/10S281J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S682J RS1/10S682J RS1/10S153J RS1/10S163Z CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQY8102K5 CKSQYB102K5 CKSQYB10ZK5 CKSQYB10
it Name : SCELLAHEOUS Tk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil	rt Name	PA4012 PA4010 258709 DTC124EK DTA114TK 25D1819 25K435 25C2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU477K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004 CTB1040	R R R R R R R CAPACITOI Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ======= 1 2 3 4 51 52 53 54 55 56 57 58 60 101 102 103 105 106	214 212 Circuit	Symbol & Mc	. === Part Na	RS1/10S684J RS1/10S22J RS1/10S22J RS1/10S281J RS1/10S22J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S422J RS1/10S422J RS1/10S473J RS1/10S822J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S153J RS1/10S162Z CKSQY8103K5 CKSQY8103K5 CKSQY8103K5 CKSQY8103K5 CKSQYB103K5 CKSQYB10X5
it Name : SCELLAHEOUS Tk ========= iC 51 iC 201 0 1 0 2 20 0 51 0 101 0 201 0 202 D 205 L 1 5 L 2 L 101 L 203 L 204 L 205 L 206 T 51 T 52 T 201 T 202 T 203 T 204 T 204 T 205	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU470K LAU470K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004 CTB1004 CTE1037 CTE1038	R R R R R R R R CAPACITOI Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS ====== 1 2 3 4 51 52 53 54 55 56 57 57 58 60 101 102 103 105 106	214 212 Circuit	Symbol & Mc	, ==== Part Na	RS1/10S684J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S22J RS1/10S473J RS1/10S470J RS1/10S682J RS1/10S103J RS1/10S682J RS1/10S103J RS1/10S682J RS1/10S103J RS1/10S682J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10ZK5
it Name : SCELLANEOUS Tk ===================================	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil Coil	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU470K LAU477K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004 CTB1004 CTB1040 CTE1037 CTE1038	R R R R R R R R CAPACITOI Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS =====	214 212 Circuit	Symbol & Mc	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S470J RS1/10S682J RS1/10S153J RS1/10S682J RS1/10S153J RS1/10S682J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10ZK5 CKSQYB392K5 CKSQYB392K5 CKSQYB392K5 CEA72M6R3L CKSQYB222K5 CEA10M16LS CEA10M16LS
it Name : SCELLAHEOUS Tk ========= iC 51 iC 201 0 1 0 2 20 0 51 0 101 0 201 0 202 D 205 L 1 5 L 2 L 101 L 203 L 204 L 205 L 206 T 51 T 52 T 201 T 202 T 203 T 204 T 204 T 205	: FM/AM Tuner Ui - Circuit Symbo	Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil	rt Name	PA4012 PA4010 2SB709 DTC124EK DTA114TK 2SD1819 2SK435 2SC2412K MA157-MR SVC203-AB CTF1104 CTF1086 CTF1126 CTF1084 LAU220K LAU470K LAU470K LAU470K CTF-157 CTE1021 CTE1022 CTB1020 CTB1004 CTB1004 CTE1037 CTE1038	R R R R R R R R CAPACITOI Mark ==== C C C C C C C C C C C C C C C C C	112 151 152 201 202 203 206 204 213 205 209 207 208 211 210 215 RS =====	214 212 Circuit 	Symbol & He	. ==== Part Na	RS1/10S684J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S222J RS1/10S473J RS1/10S473J RS1/10S422J RS1/10S4522J RS1/10S103J RS1/10S682J RS1/10S103J RS1/10S682J RS1/10S153J RS1/10S153J RS1/10S682J CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB102K5 CKSQYB10ZK5 CKSQY

ark =======	Circuit Symbol	& No. ==== Par	t Name Part No.	Mark ****** Circuit		Part No.
C 153			CSZAR47M35L	D 201 204	Chip Diode	MA 157-MR
C 154 155	156		CEASRSMEDLS			
G 157	* =		CEA101M10LS		ible Capacitance Diode	SVC203-AB
E 201 223	228		CKSQYB103K25	L 1 51	Inductor	CTF1104
C 202 212			CKSQYB332K50	L 11 12	Inductor	CTF1065
•				L 101	Inductor	CTF1126
E 203 215	216 219 226		CKSQYF473225	L 201	Inductor	CTF1026
E 204 208			CKSQYB223K25			
C 205			CCSQCH220J50	L 203	Ferri-Inductor	LAU220K
C 206 207			CCSQCH820J50	L 204	Ferri-Inductor	LAU470K
C 211			CEA2R2M50LS2	L 205	Ferri-Inductor	LAU4R7K
				L 206	Ferri-Inductor	CTF-157
C 213			CCSQCH390J50	T 51	Coil	CTE1021
C 218			CEALNP2R2M35			
C 220			CCSQCH430J50	T 52	Coil	CTE1022
G 221			CCSQCH100D50	T 201	Coil	CTB1020
C 222			C\$ZAO10K35L	T 202	Coil	CTB1004
•			••••	T 203	Coil	CTB1040
C 224			CEA470M16LS	T 204	Coil	CTE1037
C 225			CKSQYB333K25			
G 225			CEA4R7M35LS	T 205	Coil	CTE1038
C 227			CEA470M16LS	T 206	Coil	CTE1039
				CG 1	Surge Protector	DSP-201M
C 230			CEAZZOMI6LS	TH 51 102	Thermister	DTN-T204015
				CF 51 52	Ceramic Filter	CTF-182
		T		4. 41 46		011 102
FM/AM		DEH-700/EW		CF 201	Ceramic Filter	CTF1041
Tuner Unit	DEH-700SDK/WG	DEH-600/EW	DEH-750/ES	CF 202	Filter	CTF1047
				X 151	Ceramic Resonator	
Symbol & No.	Part No.	Part No.	Part No.			CSS1055
.,				X 201	Crystal Resonator	CSS1014
251	DTAI14TK			VA 1	Semi-fixed 100kΩ (B)	VRTB4V\$104
	1 - 1 - 1 - 1 - 1	1	1			
	CTF1086	CTF1086		MW 64 444 444	A: 41 4 A-1 - 101	MARK AND ARC
L2 .	CTF1086	CTF1086	1 1	VR 51 101 102	Semi-fixed 33kΩ (B)	VRTB4VS333
L2 L201	CTF1084	CTF1084	CTF 1026	VR 51 101 102	Semi-fixed $33k\Omega$ (B) FM Front End	VRTB4VS333 CWB1035
L2 L201 VR1	CTF1084 VRTB4VS103	CTF1084 VRTB4VS103	CTF 1026 VRTB4VS103		• • •	
L2 L201 VR1	CTF1084	CTF1084	CTF 1026	RESISTORS	FM Front End	CWB 1035
L2 L201 VR1 R14	CTF1084 VRTB4VS103	CTF1084 VRTB4VS103	CTF 1026 VRTB4VS103	RESISTORS	• • •	CWB 1035
L2 L201 VR1 R14	CTF1084 VRTB4VS103 RS1/10S473J	CTF1084 VRTB4VS103	CTF1026 VRTB4VS103 RS1/10SOROJ	RESISTORS Mark ======= Circuit	FM Front End	CWB1035
L2 L201 VR1 R14 R60 R61	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J	CTF1084 VRTB4VS103 RS1/10S332J	CTF 1026 VRTB 4VS 103 RS 1/10S 0R 0 J	RESISTORS Mark ======= Circuit R 2 7 9 58	FM Front End	Part No
L2 L201 VR1 R14 R60 R61	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J	CTF 1026 VRTB 4VS 103 RS 1/10S 0R 0 J RS 1/10S 47 1 J	RESISTORS Mark ======= Circuit	FM Front End	Part No. RS1/10S223J RS1/10S683J
L2 L201 VR1 R14 R60 R61 R101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J	CTF 1026 VRTB 4VS 103 RS 1/10S 0R 0J RS 1/10S 47 1J RS 1/10S 15 2J	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J
.2 .201 /R1 R14 R60 R61 R101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J	CTF 1026 VRTB 4VS 103 RS 1/10S 0R 0 J RS 1/10S 47 1 J	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J
.2	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4	FM Front End	CWB 1035
.2	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S0R0J
.2 .201 /R1 R14 R60 R61 R101 R151, 152 C101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LS2 CEA220M6R3LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S0R0J RS1/10S331J
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S0R0J
.2 .201 /R1 814 860 861 8101 8151, 152 C101 C105, 211 C106 C110	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S080J RS1/10S331_ RS1/10S104_ RS1/10S470_
.2	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	RESISTORS Mark ************************************	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S0R0J RS1/10S104J RS1/10S4703
2 2 2 0 1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104	FM Front End	Part No. RS1/10S223J RS1/10S682J RS1/10S682J RS1/10S0R0J RS1/10S331J RS1/10S104J RS1/10S470J RS1/10S470J RS1/10S472J
2 201 R1 114 160 161 1101 1151 152 1101 1106 1110 1111 1111 1112	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	RESISTORS Mark ************************************	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S0R0J RS1/10S331. RS1/10S104. RS1/10S470. RS1/10S470. RS1/10S472. RS1/10S393.
2 201 R1 114 160 161 1101 1151 152 111 1106 1110 1111 1112 1111 1112 1111 1112 1111 1112	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3231J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2C0M6R3LS CEA010M50LS2 CEA10M16LS2 CEAOR1M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA0R1M50LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 B 57	FM Front End	Part No. RS1/10S223 RS1/10S682 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S10470 RS1/10S470 RS1/10S472 RS1/10S562
2 201 R1 114 160 1661 1101 151. 152 1101 1105 211 1105 1111 1112 1112 1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA0R1M50LS2 CKSQYB273K25	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA00M16LL CEA0R1M50LL CKSQYB273K25	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL CEXCYB333K25	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 B 57 R 64	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S682, RS1/10S0R0J RS1/10S104, RS1/10S104, RS1/10S472, RS1/10S393, RS1/10S562, RS1/10S222,
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2OMMSR3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA0R1M50LL CKSQYB273X25 CEA3R3M50LL CEA2R2M35MPLL	CTF 1026 VRTB 4VS 103 RS 1/10 SORO J RS 1/10 S 47 1 J RS 1/10 S 15 2 J CKS QYB 33 2 X 5 O CEA 2 R 2 M 5 R 3 L CEA 0 10 M 5 C L CEA 10 M 16 L CEA 0 10 M 5 C L CKS QYB 33 3 X 2 5 CEA 3 R 3 M 5 C L	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682R RS1/10S104AR RS1/10S470AR RS1/10S472AR RS1/10S472AR RS1/10S472AR RS1/10S472AR RS1/10S472AR RS1/10S472AR RS1/10S474AR
2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQYB273X25 CEA2R3M50LL CEA2R2M35NPLL CEA470M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35MPLL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 II 57 R 64 R 101 R 102	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S682J RS1/10S682J RS1/10S0R0J RS1/10S104J RS1/10S470. RS1/10S472. RS1/10S562. RS1/10S222. RS1/10S471. RS1/10S822.
2 2 2 0 1 R1 114 114 1150 1151 1152 1151 152 1151 152 1151 152 1151 152 1151 152 1151 152 1151 152 1151 152 1151 152 1551 155 156 152 18 152 154 155 156 152 18	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2OMMSR3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA0R1M50LL CKSQYB273X25 CEA3R3M50LL CEA2R2M35MPLL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 III 57 R 64 R 101 R 102 R 105	FM Front End	Part No. RS1/10S223J RS1/10S682J RS1/10S682J RS1/10S0R0. RS1/10S104. RS1/10S470. RS1/10S470. RS1/10S562. RS1/10S562. RS1/10S222. RS1/10S332.
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQYB273X25 CEA2R3M50LL CEA2R2M35NPLL CEA470M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 II 57 R 64 R 101 R 102	FM Front End	Part No. RS1/10S223 RS1/10S683 RS1/10S682 RS1/10S0R0 RS1/10S0R0 RS1/10S470 RS1/10S470 RS1/10S562 RS1/10S562 RS1/10S222 RS1/10S822 RS1/10S333
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQYB273X25 CEA2R3M50LL CEA2R2M35NPLL CEA470M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106	FM Front End	CWB1035 Part No. R\$1/10\$223 R\$1/10\$683 R\$1/10\$682 R\$1/10\$331. R\$1/10\$331. R\$1/10\$470. R\$1/10\$472. R\$1/10\$472. R\$1/10\$222. R\$1/10\$222. R\$1/10\$333. R\$1/10\$333.
.2 .201 /R1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUPP2R2M35 CEA470M16LS CEA4220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M16LL CEA010M16LL CEA010M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA07M50LL CEA220M6R3M50LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA220M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S683J RS1/10S0R0J RS1/10S331. RS1/10S1044. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S422. RS1/10S422. RS1/10S4332. RS1/10S333. RS1/10S333.
.2 .201 /R1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUPP2R2M35 CEA470M16LS CEA4220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M16LL CEA010M16LL CEA010M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S682J RS1/10S0R0J RS1/10S104J RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S473. RS1/10S473. RS1/10S473. RS1/10S333. RS1/10S333. RS1/10S104.
2 201 R1 114 150 160 161 1101 151 152 1101 151 152 1101 151 152 1101 151 152 151 152 151 152 151 152 151 152 151 152 151 152 151 152 152	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUPP2R2M35 CEA470M16LS CEA4220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M16LL CEA010M16LL CEA010M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA07M50LL CEA220M6R3M50LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111	FM Front End	CWB1035 Part No. RS1/10S23J RS1/10S682, RS1/10S104, RS1/10S104, RS1/10S472, RS1/10S472, RS1/10S472, RS1/10S472, RS1/10S473, RS1/10S473, RS1/10S473, RS1/10S474,
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C112 C151, 152 C154, 155, 156 C218 C224 C230	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUPP2R2M35 CEA470M16LS CEA4220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M16LL CEA010M16LL CEA010M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA07M50LL CEA220M6R3M50LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S684J RS1/10S0R0J RS1/10S104J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S47333J RS1/10S471J RS1/10S471J RS1/10S471J RS1/10S471J RS1/10S471J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S471J
.2 .201 /R1 .2 .201 /R1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S3331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUPP2R2M35 CEA470M16LS CEA4220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M16LL CEA010M16LL CEA010M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA07M50LL CEA220M6R3M50LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S104J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S473J RS1/10S4333J RS1/10S1044 RS1/10S1044 RS1/10S6844
.2 .201 /R1 .214 .201 /R1 .214 .201 /R1 .214 .201 /R1 .201 .201 .201 .201 .201 .201 .201 .20	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUPPZR2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL CEA220M16LL CEA220M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB3392K50 CEA2R2M50LL CEA2OM6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL CEA0R1M50LL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112	FM Front End	CWB1035 Part No. RS1/10S223 RS1/10S683 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S470 RS1/10S472 RS1/10S472 RS1/10S472 RS1/10S473 RS1/10S473 RS1/10S474 RS1/10S474 RS1/10S122 RS1/10S102 RS1/10S102 RS1/10S102 RS1/10S102 RS1/10S102 RS1/10S102 RS1/10S102
L2 L201 VR1 R14 R60 R61 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C330 nit Number : iscellaneous	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUPPZR2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL CEA220M16LL CEA220M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00M16LL CEA07M50LL CEA220M6R3M50LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112	FM Front End	CWB1035 Part No. R\$1/10\$223J R\$1/10\$682J R\$1/10\$682J R\$1/10\$080J R\$1/10\$331J R\$1/10\$104J R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$222. R\$1/10\$222. R\$1/10\$333. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$104. R\$1/10\$123. R\$1/10\$124. R\$1/10\$125.
.2 .201 /R1 .214 .201 /R1 .214 .201 /R1 .214 .201 .201 .201 .201 .201 .201 .201 .201	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUPPZR2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL CEA220M16LL CEA220M16LL	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA2OM6R3LL CEA010M50LL CEA100M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35MPLL CEA470M16LL CEA220M16LL CEA220M16LL CEA220M16LL	RESISTORS Mark ========= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 III 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152	FM Front End	CWB1035 Part No. R\$1/10\$223J R\$1/10\$682J R\$1/10\$682J R\$1/10\$0R0J R\$1/10\$331J R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$333. R\$1/10\$333. R\$1/10\$332. R\$1/10\$332. R\$1/10\$1024.
2 201 R1 114 150 161 1151 1515 1511 152 1610 1611 1610 1611 1712 1711 1712 1711 1712 1711 1711	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUPPZR2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL CEA220M16LL CEA220M16LL	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA070M16LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R2M16LL CEA2R2M35MPLL CEA2R2M35MPLL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEA2R3M50LL CEARATOM16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153	FM Front End	CWB1035 Part No. R\$1/10\$223J R\$1/10\$682J R\$1/10\$682J R\$1/10\$0R0J R\$1/10\$331J R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$472. R\$1/10\$333. R\$1/10\$333. R\$1/10\$332. R\$1/10\$332. R\$1/10\$1024.
.2 .201 /R1 .114 /R60 .R61	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUP2R2M35 CEAUP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA0	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392KS0 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA470M16LL CEA2R2M35MPLL CEA470M16LL CEA220M16LL CEA220M16LL A-80/US. DEH-650/UC) PA4012 PA4010	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201	FM Front End	CWB1035 Part No. RS1/10S223, RS1/10S682, RS1/10S0R0, RS1/10S104, RS1/10S1047, RS1/10S472, RS1/10S472, RS1/10S472, RS1/10S472, RS1/10S473, RS1/10S473, RS1/10S473, RS1/10S474, RS1/10S222, RS1/10S333, RS1/10S104, RS1/10S104, RS1/10S104, RS1/10S105, RS1/10S104, RS1/10S105, RS1/10S105
2 201 R1 114 160 161 1151 1151 1151 1152 1101 1110 1112 1151 1152 1154, 155, 156 1218 12224 12230 It Number: SCELLANEOUS Ic 51 Ic 201 Q i	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R3M50LS CEAUP2R2M35 CEAUP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M18LL CEA010M50LL CEA20M16LL CEA2R2M35NPLL CEARRAM50LL	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA220M16LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL M-80/US, DEH-650/UC) rt Name Part No. PA4012 PA4010 2SB709	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202	FM Front End	Part No. RS1/10S223. RS1/10S682. RS1/10S682. RS1/10S104. RS1/10S104. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S473. RS1/10S472. RS1/10S473. RS1/10S222. RS1/10S473. RS1/10S222. RS1/10S222. RS1/10S333. RS1/10S104. RS1/10S104. RS1/10S105. RS1/10S104. RS1/10S105. RS1/10S105. RS1/10S105. RS1/10S222. RS1/10S222. RS1/10S222. RS1/10S222. RS1/10S222. RS1/10S222. RS1/10S222.
.2 .201 // IR1 /	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S323J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA20M6R3LS CEA010M16LS2 CEA00M16522 CEA0R1M50LS2 CEA10M16LS CEA40M16LS CEA470M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M50LL CEA22M35M50LL CEA2R2M35MPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA70M16LL	CTF 1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA220M6R3LL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 205 214	FM Front End	CWB1035 Part No. RS1/10S233 RS1/10S682. RS1/10S104. RS1/10S104. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S222. RS1/10S333. RS1/10S102 RS1/10S332. RS1/10S102 RS1/10S104 RS1/10S102 RS1/10S104 RS1/10S104 RS1/10S103 RS1/10S104 RS1/10S103 RS1/10S103 RS1/10S104 RS1/10S103 RS1/10S104 RS1/10S104 RS1/10S103
.2 .201 // IR1 /	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S323J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA20M6R3LS CEA010M16LS2 CEA00M16522 CEA0R1M50LS2 CEA10M16LS CEA40M16LS CEA470M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822X50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M18LL CEA010M50LL CEA20M16LL CEA2R2M35NPLL CEARRAM50LL C	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA220M16LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL M-80/US, DEH-650/UC) rt Name Part No. PA4012 PA4010 2SB709	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S682, RS1/10S682, RS1/10S104, RS1/10S104, RS1/10S472, RS1/10S472, RS1/10S472, RS1/10S473, RS1/10S102, RS1/10S102, RS1/10S102, RS1/10S104, RS1/10S102, RS1/10S104, RS1/10S102, RS1/10S103, RS1/10S103, RS1/10S104, RS1/10S123, RS1/10S123, RS1/10S222, RS1/10S473
.2 .201 // IR1 /	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S332J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA3R3M50LS CEAUPPZR3M5 CEA4T0M16LS CEA4T0M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA100M16LL CEA070M50LL CEA270M16LL CEA220M16LL LEA220M16LL LEA2	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB3392K50 CEA2R2M50LL CEA220MSR3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 M 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S104J RS1/10S472. RS1/10S472. RS1/10S472. RS1/10S222. RS1/10S333. RS1/10S102. RS1/10S333. RS1/10S102. RS1/10S102. RS1/10S102. RS1/10S102. RS1/10S222. RS1/10S222. RS1/10S473 RS1/10S473 RS1/10S473
.2 .201 // IR1 /	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S332J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA3R3M50LS CEAUPPZR3M5 CEA4T0M16LS CEA4T0M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M50LL CEA22M35M50LL CEA2R2M35MPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA70M16LL	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA2OM6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA070M16LL CEA070M16LL CEA2R2M35MPLL CEA2R3M50LL CEA2R2M35MPLL CEARTMAN CERTER CEARTMAN CEAR	RESISTORS Mark ========= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 III 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209 R 207	FM Front End	CWB1035 Part No. R\$1/10\$223, R\$1/10\$683, R\$1/10\$682, R\$1/10\$080, R\$1/10\$331, R\$1/10\$470, R\$1/10\$472, R\$1/10\$472, R\$1/10\$472, R\$1/10\$472, R\$1/10\$472, R\$1/10\$102 R\$1/10\$103 R\$1/10\$10470 R\$1/10\$222 R\$1/10\$270 R\$1/10\$470 R\$1/10\$470 R\$1/10\$470 R\$1/10\$470
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 R1 Number: ISCELLANEOUS R1 = = = = = = = = = = = = = = = = = = =	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S332J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA10M16LS CEA4T0M16LS CEA4T0M16LS CEA4T0M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA100M16LL CEA070M50LL CEA270M16LL CEA220M16LL LEA220M16LL LEA2	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB3392K50 CEA2R2M50LL CEA220MSR3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA070M16LL CEA220M16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 III 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209 R 207 R 208 211 212	FM Front End	CWB1035 Part No. R\$1/10\$223J R\$1/10\$682J R\$1/10\$682J R\$1/10\$080J R\$1/10\$331J R\$1/10\$104470. R\$1/10\$470. R\$1/10\$472. R\$1/10\$472. R\$1/10\$222. R\$1/10\$332. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$102. R\$1/10\$104. R\$1/10\$102. R\$1/10\$104. R\$1/10\$123. R\$1/10\$104. R\$1/10\$123. R\$1/10\$104. R\$1/10\$123. R\$1/10\$104. R\$1/10\$123. R\$1/10\$124.
L2 L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C112 C151, 152 C154, 155, 156 C218 C224 C230 nit Number: iSCELLANEOUS ark ======== iC 51 iC 201 q 1 q 2 20 q 3 q 101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S332J RS1/10S222J CKSQY8822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQY8273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tunor Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA100M16LL CEA070M50LL CEA270M16LL CEA220M16LL LEA220M16LL LEA2	CTF1026 VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA2OM6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA070M16LL CEA070M16LL CEA2R2M35MPLL CEA2R3M50LL CEA2R2M35MPLL CEARTMAN CERTER CEARTMAN CEAR	RESISTORS Mark ========= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 III 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209 R 207	FM Front End	CWB1035 Part No. RS1/10S223J RS1/10S683J RS1/10S682J RS1/10S104J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S472J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J RS1/10S473J

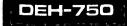
C					

Mark ==:		Circuit Symbol	i & Ko. ==== Part	Name Part No.	Unit Name : Amp Unit (DEH-750/UC, ES, DEH-650/UC, DEH-62	0/US)
c	 1			CKSQYB102K50	Mark ====== Circuit Symbol & No. ==== Part Hame	
Č	2 :	3 104		CKSQYB103K50		
Ċ	4 5	1 59		CKSQYF473Z25		AN7188K
C	11 12	13 14		CCSQCH220J50		5727
C	15			CKSQYB223K25		ERA15-02VH
•						ERC04-02FE3
С	52 53	3		CKSQYB223K25	R 551 552 553 554	R\$1/8\$2R2J
c	54			CCSQSL101J50	B ATT ATA	
C	5.5			CKSQYB102K50		RS1/10SOROJ
С	56			CKSQYF104Z25	· · · · · · · · · · · · · · · · ·	RS1/10S223J
Ç	57			CEAR68M50LS2		CQEA104J50
						CEHAQ221M16
C	5.8			CCSOCHO60D50	C 556	CEA330M16LS
Ç	60			CEALNP100M6R3		
Ç	101			CKSQYB392K50		CCSOCH102J50
C	102			CKSQYB682K50		CC61006
C	103			CKSQYB392K50		CEHAG102M16
						CEHAQ222M16
C	105			CEA2R2M50LL	C 954 955 956 (CEA010M50LL
C	106			CEA220M6R3L1		
C	107 10	8		CKSQYB222K50		
C	110			CEA010M50LL	Unit Number:	
C	111			CEATOOMIELL	Unit Name : Amp Unit(DEH-700SDK/WG, DEH-700/EW, DEH-600)/EW)
С	112			CEAOR1M50LL	Mark ===== Circuit Symbol & No. ==== Part Hame	
C	151 15	2		CKSQYB563K25		
C	153			CSZAR47M35L		AN7188K
C	154 15	5 156		CEA3R3M50LL		2 S B 1 2 3 8
C	157			CEA101M10LS	· · · · · · · · · · · · · · · · · · ·	UN221D
						5 Z 2 7
C	201 22	3 228		CKSQYB103K25	D 952 954 955 956	ERA15-02VH
C	202 21	2		CK20A8335K20	D 957 959	ERC04-02FE3
C	203 21	5 216 219 226		CKSQYF473725		RS1/8S2R2J
C	204 20	8 210		CKSQYB223K25		
C	205			CCSQCH220J50		RS1/10S152J
					R 954 957	RS1/10S223
C	206 20	7		CCSQCH820J50	R 955	RS1/10SORDJ
C	211			CEAZRZMSOLL	#	0054184150
C	213			CCSQCH390J50		COEA104J50
C	218			CEA2R2M35NPLL		CEHAQ221M16
C	220			CCSQCH430J50		CEA330M16LS
						CCSQCH102J50
C	221			CCSQCH100D50	C 559	CKSQYB103K50
C	222			CSZA010K35L	A 404	
	224			CEA470M16LL		CCG1006
	225			CKS0Y8333K25		CEHAQ102M16
	227			CEA4R7M35LS		CEHAQ222M16 CEA010M50LL
С	229			CEA470M16LS		
C	230			CEA220M16LL	Unit Number:	
			, , , , , , , , , , , , , , , , , , , ,		Unit Name : Amp Unit (DEH-80/US)	
		DEH-80/US			Mark ****** Circuit Symbol & No. **** Part Name	
FM/AM		DEH-750/UC	, I			

Unit Number:

	DEH-80/US	
FM/AM	DEH-750/8C	
Tuner Unit	DEH-650/UC	DEH-620/US
Symbol & No.	Part No.	Part No.
03	2SA1162	
D11.12	1SV128A-BB	
L 1 1, 12	CTF1065	
VR1	VRTB4VS104	VRTB4VS103
R3	RS1/105683J	RS1/10S124J
R8	RS1/105331J	
R 9	RS1/10S223J	1
R11	RS1/10S104J	
R 1 2	RS1/10S470J	
R 1 3		R\$1/1050R0J
C11-14	CCSOCH220J50	
C15	CKSQYF223250	

Mark	22:	****	22	Circ	uit	Symbol	å	No.	****	Part	Name	Part No.
		551										AN7188K
												5727
	0	951										
	D			955	956							ERA15-02VH
	D	958	960									ERC04-02FE3
	R	551	552	553	554							RS1/8S2R2J
	R	955	956									RS1/10S0R0J
	R	957										RS1/10S223J
	0	551	552	553	554							CQEA104J50
	C	555										CEHAQ221M16
	C	556										CEA330M16F2
	c	557	558									CCSQCH102J5
	C	951				E	M1	Filt	er			CCG1006
	C	952										CEHA0102M16
	Č	953										CEHAQ222M16
	c		055	956								CEA010M50LL



Unit Number:

Unit Name : Display Unit (DEH-750/UC, ES. DEH-80/US)

Mark masses Circuit Symbol & No. ==== Part Name Part No. ---- -----1 C7582A Chip Diode MA153-MC D 901 902 903 MA151A-MA D 904 Chip Diode CTF-157 Ferri-Inductor L 901 CEL 1825 Lamp 14V 40mA IL 901 902 906 |L 903 904 905 907 908 Lamp 14V 40mA SW 901 902 903 904 905 906 907 908 909 910 Switch CSG-253 SW 911 912 914 915 916 917 918 Switch CAW1074 1.00 RD1/4PS103JL R 901 902 903 RS1/10S104J R 904 905 RS1/10S751J R 906 911 916 RS1/10S112J R 907 912 917 RS1/10S182J R 908 913 918 R\$1/10\$362J R 909 914 919 RS1/10S113J R 910 915 920 CEA470M6R3LS C 901 CKSOY8103K50 C 902 C 903 CCSQCH301J50 CKSYB224K25 C 904

Draplay Unit Symbol & Ho.	DEH-80/US DEH-750/UC, ES Part No.	DEN-700SDK/WG DEN-700/EW Part No.	DEH-859/UC Part No.	DEH-620/US Part No.	DEM-600/EW Part No.
0984	MA151A-MA	MA151A-MA			
D905			LHB1RC5V	LMB1RC5V	LNB1RC5V
11.901, 902, 986	CEL 1025	CEL 1013	CEL 1825	CEL 1975	CEL 1013
IL983, 984, 985	CEL-147	CEL-147	CEL-147		CEL-147
11.997, 998	CEL-147	CEL-147	CEL-147		GEL-147
SW9 13			CSB1014	C\$81014	CS61814
R921			R\$1/10\$881J	R\$1/10\$681J	R\$1/185681.

Unit Number:

Unit Name : Carriage P. C. Board

 Mark
 =====
 Part Name
 Part No.

 M
 831
 Motor Unit (Spring)
 CXM1054

 M
 832
 Motor Unit (Carriage)
 CXA3347

 S
 831
 Switch (Home)
 CSN1018

Unit Number :

Unit Name : Mechanism P. C. Board

 Mark
 ========
 Circuit
 Symbol & No.
 ==== Part Name
 Part No.

 D
 834
 835
 836
 837
 LED (Disc detect)
 SLH-34VC3F

 M
 833
 Motor Unit (Loading)
 CXA2129

 S
 832
 Switch (Disc set)
 CSM1020

Unit Number :

Unit Name : Detector P. C. Board

Mark ======= Circuit Symbol & No. ==== Part Name Part No.

Q 831 832 833 834 Photo-transistor PHI02

Miscellaneous Parts List

Mark ======= Circuit Symbol & No. ==== Part Name Part No.

D 941 (DEH-700SDK/WG, 700/EW, 750/UC. ES. 80/US) LED LN81RC5V

D 941(DEH-700SDK/WG, 700/EW, 750/UC, ES, 80/US) LED LNB1RC5V SW 1(DEH-700SDK/WG, 700/EW, 750/UC, ES, 80/US) Switch CSN1012 SW 941(DEH-700SDK/WG, 700/EW, 750/UC, ES, 80/US) Switch CSG-253 R 941(DEH-700SDK/WG, 700/EW, 750/UC, ES, 80/US) RD1/4PS681JL PU Unit CGY1015





SERVICE GUIDE ORDER NO. CRT 1161

CD MECHANISM UNIT

- This service manual is a description of the CD mechanism found in the model numbers listed in the table below.
- When performing repairs use this manual together with the specific manual for the model under repair.

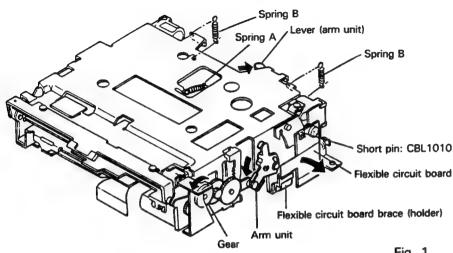
Model	Service Manual	
DEH-66/UC	·	
DEH-66SDK/WG	CRT1166	
DEH-66/EW		
DEH-66/EI		



1. DISASSEMBLY

Disassembly of the Carriage Unit

Note: There may be times when the names of parts used in this manual are not the same as those used in the lists accompanying the Exploded View. If a different name is used here, the part name given in the Exploded View is also provided in parentheses ().



- Fig. 1
- 1. Put the mechanism unit into a loading complete state. (Move the lever back and rotate the gear while pressing down lightly on the arm unit. Rotate the gear until the three carriage unit shafts are free and the unit is supported by the four damper units.
- 2. Remove Spring A and two Springs B.
- 3. Remove the flexible circuit board from the flexible circuit board brace.

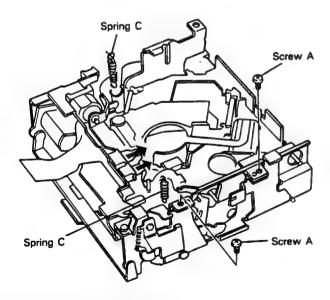
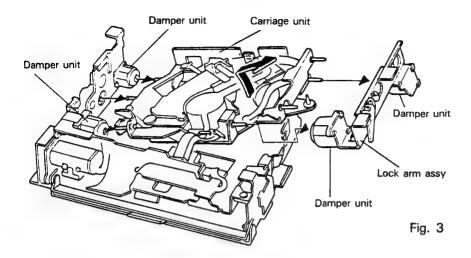


Fig. 2

- 4. Turn the mechanism unit upside down.
- 5. Remove the two Springs C.
- 6. Remove the two flexible circuit boards from their con-
- 7. Remove the two Screws A.





- 8. Lift the lock arm assembly and then pull out the carriage unit.
- Remove the carriage unit from the lock arm assembly.
 Note: The damper units are lined with a thin rubber film. Be careful not to damage this when disassembling.

• Disassembly of the Carriage Motor Unit

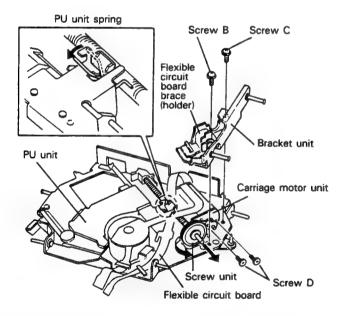


Fig. 4

- After removing the Screw B and Screw C, remove the bracket unit. At this time remove the flexible circuit board from the flexible circuit board brace.
- 2. Remove the belt.
- Cock the PU unit spring as shown in Fig. 4 and then move the PU unit to its outermost position.
 (Cocking the spring disengages the screw unit so that the PU unit can be moved by hand from above.)
- 4. Pull the screw unit out of the assembly.
- 5. Remove the two Screws D and then the carriage motor unit.

Note: When reinstalling the carriage motor unit, tighten Screw D and seal it.



• Disassembly of the PU Unit

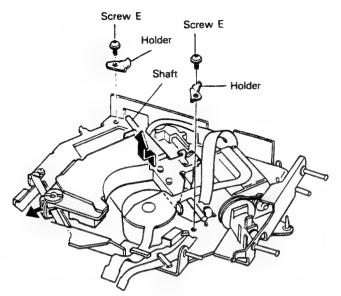


Fig. 5

- Cock the PU unit spring as shown in Fig. 4.
 Move the PU unit to the center of the shaft for easy removal.
- 2. Remove the two Screws E and then the holders.
- Remove the PU unit, lifting it from the shaft side where the holders have been removed and being careful not to catch the shaft on the opposite side.
- 4. Pull the shaft out of the PU unit.

Disassembly of the Spindle Motor Unit

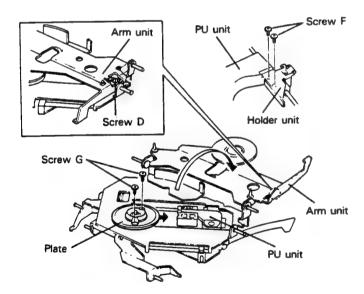


Fig. 6

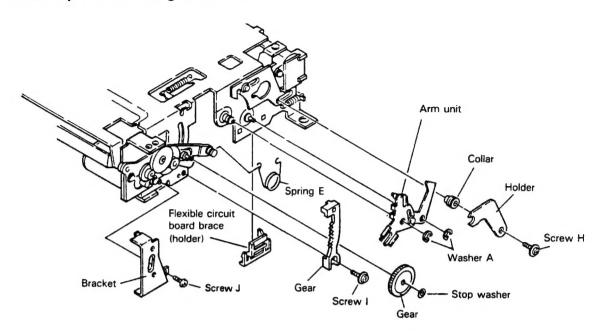
- 1. Remove the two Screws F and then remove the holder unit from the PU unit.
- Cock the PU unit spring as shown in Fig. 4 and move the PU unit to its outermost position.
- 3. Turn the whole carriage unit right side up.
- 4. Remove Screw D and turn the arm unit upside down.
- 5. Turn the spindle motor plate so that the holes on the plate are at the position of the screws underneath.
- 6. Remove the two Screws G.

 Note: When reinstalling the spindle motor unit, tighten
 the Screws G and seal them.
- 7. Slide the spindle motor unit onto its side and remove it.



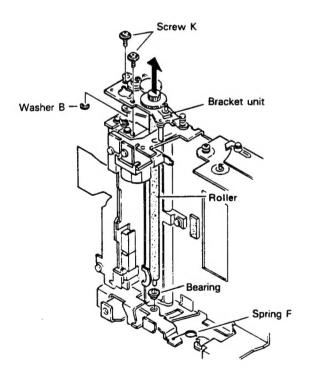
Fig. 7

Disassembly of the Loading Motor Unit



- Remove the carriage unit.
 (Refer to the previous section entitled, "Disassembly of the Carriage Unit.")
- 2. Remove the flexible circuit board brace.
- 3. Remove Screw H and then the holder.

 Note: When Screw H is removed, the collar will also come free. Be sure not to lose it.

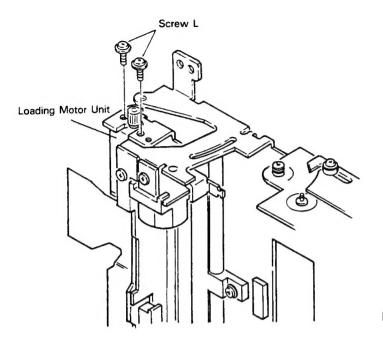


- 4. Remove the Screw E.
- 5. Remove the two Washers A and then the arm unit.
- 6. Remove the stop washer and then the gear.
- 7. Remove Screw I and then the gear.
- 8. Remove Screw J and then the bracket.
- 9. Remove Spring F.
- 10. Remove washer B.
- 11. Remove the two Screws K and then pull out the bracket unit.

Note: The bearing at the tip of the roller will also come loose. Be careful not to lose it.

Fig. 8



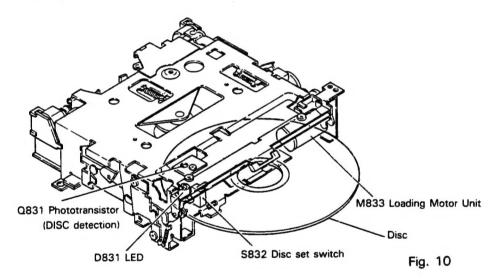


12. Remove the two Screws L and then the loading motor unit.

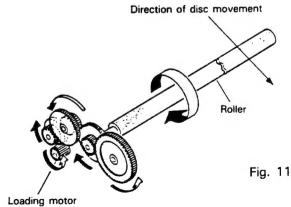
Fig. 9

2. MECHANISM DESCRIPTION

Loading Operation



- When a disc is inserted into the unit, it enters between the LED and the phototransistor with the result that the light from the LED to the phototransistor is blocked.
- 2. When the phototransistor detects a disc presence in the unit, the loading motor begins to rotate and loading begins.
- 3. When the loading motor rotates, the roller is turned and the disc is moved into the unit. (Fig. 11)





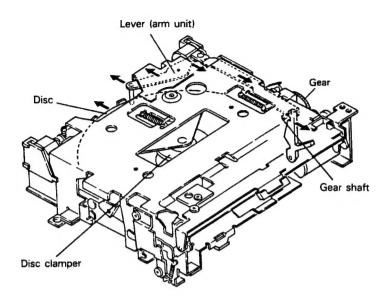


Fig. 12

- 4. When the disc pushes on the lever, the gear shaft lock is released. The gear meshes with another internal toothed gear and is lowered. (See Figs. 12, 13)
- 5. The action of the gear shaft moving down lowers the disc clamp and the disc is held in place.
- As the gear is lowered when it meshes with the internal toothed gear, the gear unit also is lowered and the disc set switch pressed.
- At the same time, the disc door is lowered and the disc insert door is blocked to prevent the introduction of another disc.

The three shafts of the carriage unit are in a free mode and the carriage unit is in an anti-vibration mode supported by the four damper units. (Fig. 14)

When the disc set switch is turned on, loading motor rotation stops and the loading operation is complete.

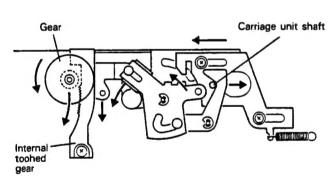


Fig. 13

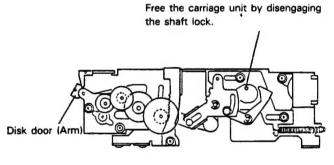
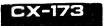
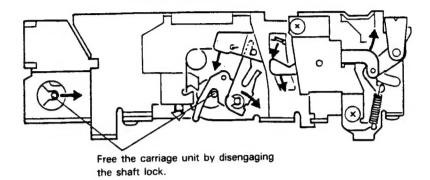


Fig. 14



(view of reverse side)



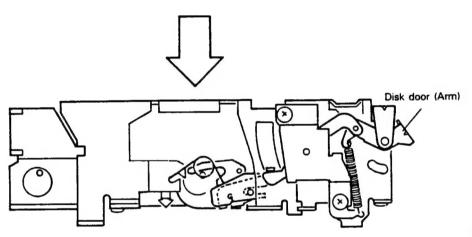


Fig. 15